

**ANTELOPE VALLEY
AIR QUALITY MANAGEMENT DISTRICT**

Date of Revision: 11/17/2011

Federal Operating Permit Number: 102301816

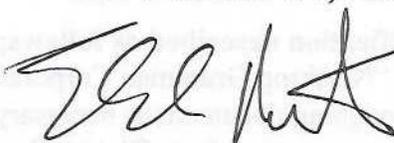
For: Northrop Grumman Systems Corporation

**Facility: Sites 3 and 4, Air Force Plant 42
3520 E Avenue M, Palmdale CA**

**Issued Pursuant to AVAQMD Regulation XXX
Effective Date: October 14, 2010**

•See Title V Page 2 for History of Revisions•

**This Federal Operating Permit Expires
on: October 14, 2015**



**Issued By: Eldon Heaston
Executive Director
Air Pollution Control Officer**

HISTORY OF REVISIONS

November 17, 2011 – Administrative Permit Amendment described as follows;

Part I (C), Portable spray guns with specific building location references revised to allow use throughout the NGC Facility. Equipment compliance with all applicable regulations will remain unchanged.

Specifically, use of HAP coatings will continue to be closely regulated by Rule 109, 1124 and Aerospace NESHAP. The following spray guns are affected; P010590, P010591, P011009, P011007, P010330, P010331, P010389, P010550, and P010551.

Part III (U) (3), revised condition from ... “chromium shall be emitted”... to ...“chromium shall be used”... Correction captures original intent of District condition.

Changes made by Chris Anderson

September 20, 2011 – Minor Permit Modification described as follows;

Part III (H) - added condition 2- deemed airless spray gun HVLP equivalent under prescribed limits.

Part III (AJ) - permit unit C011108 to AJa due to conditional changes disallowing grouping with other like equipment.

Part III (AJa) - condition 6 language revised to remove possible conflict w/ 1124, revised allowable uses to correct. Also added as separate item to Part I (C) permitted equipment table.

Part I (C) and Part III (AL and AM) - added two new boilers, B011296 and B011297. These boilers replace one existing unit B006785. B006785 to remain permitted and on-site until construction of new units is completed. Emissions increase proposed and will be offset using SERs and ERCs.

Part I (C) and III (P) - cancelled permits units noted.

Part III (AJa) - corrected typo in condition 8.

Changes made by Chris Anderson

December 21, 2010- Administrative Permit Amendment described as follows;

Part I and Part III (I)- District permit unit C010323 cancelled, no longer subject to FOP.

Part III (H), CDM revised recordkeeping consistent with 40 CFR Part 63, GG.

Added SIP Historical reference hyperlink in Part VI.

Changes made by Chris Anderson

December 13, 2010- Minor Permit Modification described as follows;

Part I- Company changed their name from “Northrop Grumman Corporation” to “Northrop Grumman Systems Corporation”. Changes noted throughout document as necessary.

C006692, P006691, and P007734 equipment exempted from District Permit, no longer subject to FOP. Removed from Parts I (C) and Part III-G, N and O.

Part I, Added C011099 and C011105 through C011108. Referenced as item “AJ” in Part III.

Part I, Added provisions for future installation of Turbine, Portable Start Cart. Referenced as item “AK” in Part III.

Changes made by Chris Anderson

November 16, 2010-Administrative Permit Amendments described as follows;

Part III, (O), CDM- Revised by removing redundant recordkeeping requirement. Requirement is in place in Part III, (G), CDM A.

Part III, (F)(2)(a)-revised to include PM10 and 1,3 Butadiene emission limits.

Part III, (F)(3)-added requirement to monitor oxygen content.

Part III, (F)(4), added (F)(4), renumbered subsequent conditions.

Note; Changes to Cogen units do not place any new additional requirements on equipment as these requirements are existing from District/State permit.

Part III, "S" permit units, revised condition #2 to require District approval prior to implementation of "locally prepared operating procedures".

Changes made by Chris Anderson

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PART I
INTRODUCTORY INFORMATION

A. FACILITY IDENTIFYING INFORMATION:

| | |
|--|--|
| <u>Owner/Company Name:</u> | Northrop Grumman Systems Corporation |
| <u>Owner Mailing Address:</u> | Northrop Grumman Systems Corporation 3520 E Avenue M, PA14/4G Palmdale, CA 93550 |
| <u>Facility Name:</u> | Site 3 and 4, Air Force Plant 42 |
| <u>Facility Location:</u> | 3520 E Avenue M, Palmdale CA |
| <u>Mailing Address:</u> | Northrop Grumman Systems Corporation 3520 E Avenue M, PA11/4S Palmdale, CA 93550 |
| <u>AVAQMD Federal Operating Permit Number:</u> | 102301816 |
| <u>AVAQMD Company Number:</u> | 1023 |
| <u>AVAQMD Facility Number:</u> | 01816 |
| <u>Responsible Official:</u> | Tommy Tomlinson |
| <u>Title:</u> | Vice President, Production Operations Antelope Valley Site / Site Manager |
| <u>Phone Number:</u> | (661) 272-7484 |
| <u>Facility "Site" Contact:</u> | Tim Haltmeyer |
| <u>Phone Number:</u> | (310) 332-3169 |
| <u>Nature of Business:</u> | Aircraft Assembly, Maintenance and Modification |
| <u>SIC Code:</u> | 3720 – Aircraft and Parts |
| <u>Facility Location:</u> | UTM (Km): 425E/3830N |

B. DESCRIPTION OF FACILITY:

Federal Operating Permit, (FOP number: 102301816) for Northrop Grumman Corporation, located at 3520 E Avenue M Palmdale, CA 93550. The facility is designed to assemble, maintain, and modify military aircraft. Facilities include the following; Abrasive Blasting equipment, Portable Air Pollution Control Equipment (PAPCE), Paint Spray Guns, Paint Spray Booths, Metallizing Arc Spray Gun, Emergency Internal Combustion Engines, Boilers, Fuel Dispensing Facilities, Military Jet Fuel Truck Loading/Unloading Facility, Military Jet Fuel Hydrant Fueling/Defueling System, Military Jet Fuel Storage Truck Loading and Unloading Facility, Jet Fuel Storage Tanks, an LPG Pressurized Storage Tank, and Cogeneration Systems.

C. PERMITTED EQUIPMENT:

| Permit No. | Title V Part III Condition | Permit Status | Permit Type | Permit Description | Location |
|-------------------|-----------------------------------|----------------------|--------------------|--------------------------------------|----------------------|
| A006693 | A | PTO | Basic | Abrasive Blasting Unit | Various Locations |
| A006778 | B | PTO | Basic | Abrasive Blasting Unit | Building 333, Site 3 |
| A006784 | B | PTO | Basic | Abrasive Blasting Unit | Building 333, Site 3 |
| A007738 | C | PTO | Basic | Abrasive Blasting Unit | Various |
| B006785 | D | PTO | Basic | Boiler #2 | Building 410, Site 4 |
| B006790 | D | PTO | Basic | Boiler #1 | Building 410, Site 4 |
| B007857 | E | PTO | Basic | Boiler | Building 302, Site 3 |
| B007858 | E | PTO | Basic | Boiler | Building 302, Site 3 |
| B007859 | E | PTO | Basic | Boiler | Building 302, Site 3 |
| B008592 | F | PTO | Basic | Cogeneration System, ICE | Building 410, Site 4 |
| B008730 | F | PTO | Basic | Cogeneration System, ICE | Building 410, Site 4 |
| B010679 | AB | ATC | Basic | Diesel IC Engine, Portable Generator | Various Locations |
| B010699 | AC | ATC | Basic | Turbine, Portable Start Cart | Various Locations |
| B010973 | AD | ATC | Basic | Paint Curing Oven | Building 401 |

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|----------|----|------------------|------------------------------|--------------------------------------|----------------------|
| B010972 | AE | ATC | Basic | Portable Turbine Aircraft Start Cart | Various Locations |
| Reserved | G | | | | |
| C006781 | H | PTO | Air Pollution Control Device | Paint/Depaint Hangar | Building 333, Site 3 |
| Reserved | I | | | | |
| E006770 | J | PTO | Basic | Stationary Emergency ICE | Building 410, Site 4 |
| E006771 | J | PTO | Basic | Stationary Emergency ICE | Building 307, Site 3 |
| E006780 | J | PTO | Basic | Stationary Emergency ICE | Building 333, Site 3 |
| E006782 | J | PTO | Basic | Stationary Emergency ICE | Building 301, Site 3 |
| E006783 | L | PTO | Basic | Stationary Emergency ICE | Sewer Lift Station |
| E008106 | K | PTO | Basic | Stationary Emergency ICE | Building 302, Site 3 |
| E008420 | J | PTO | Basic | Stationary Emergency ICE | Building 401, Site 4 |
| N006797 | M | PTO | Basic | Fuel Dispensing, Gasoline | Building 460, Site 4 |
| Reserved | N | | | | |
| Reserved | O | | | | |
| P010330 | P | ATC | Basic | Paint Spray Gun, DeVilbiss | Various Locations |
| P010331 | P | ATC | Basic | Paint Spray Gun, DeVilbiss | Various Locations |
| P010332 | P | <i>Cancelled</i> | Basic | Paint Spray Gun, Binks Cub | Bldg 301, Site 3 |
| P010333 | P | <i>Cancelled</i> | Basic | Paint Spray Gun, Mach 1 | Bldg 301, Site 3 |
| P010334 | P | <i>Cancelled</i> | Basic | Paint Spray Gun, Binks Cub | Bldg 301, Site 3 |
| P010387 | P | <i>Cancelled</i> | Basic | Paint Spray Gun, DeVilbiss | T-336, Site 3 |
| P010388 | P | <i>Cancelled</i> | Basic | Paint Spray Gun, DeVilbiss | T-336, Site 3 |
| P010389 | P | ATC | Basic | Paint Spray Gun, Binks Cub | Various Locations |
| P010390 | P | <i>Cancelled</i> | Basic | Paint Spray Gun, Mach 1 | T-336, Site 3 |

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|---------|----|------------------|-------|--------------------------------|----------------------|
| P010391 | P | <i>Cancelled</i> | Basic | Paint Spray Gun, Binks Cub | T-336, Site 3 |
| P010550 | P | ATC | Basic | Paint Spray Gun, Mach 1 | Various Locations |
| P010551 | P | ATC | Basic | Paint Spray Gun, Mach 1 | Various Locations |
| P010588 | P | <i>Cancelled</i> | Basic | Paint Spray Gun, Starting Line | Bldg 301/307 |
| P010589 | P | <i>Cancelled</i> | Basic | Paint Spray Gun, Starting Line | Bldg 301/307 |
| P010590 | P | ATC | Basic | Paint Spray Gun, Starting Line | Various Locations |
| P010591 | P | ATC | Basic | Paint Spray Gun Starting Line | Various Locations |
| P011007 | P | ATC | Basic | Paint Spray Gun, DeVilbiss | Various Locations |
| P011009 | P | ATC | Basic | Paint Spray Gun, DeVilbiss | Various Locations |
| S006766 | Q | PTO | Basic | Spray Booth | Bldg 415, Site 4 |
| S006767 | Q | PTO | Basic | Spray Booth | Bldg 415, Site 4 |
| S006874 | R | PTO | Basic | Spray Booth | Bldg 305, Site 3 |
| S007822 | S | PTO | Basic | Spray Booth | Bldg 301, Site 3 |
| S007837 | T | PTO | Basic | Spray Booth | Bldg 401, Site 4 |
| S008093 | U | PTO | Basic | Spray Booth | Building 401, Site 4 |
| S009013 | V | PTO | Basic | Spray Booth | Building 401, Site 4 |
| TBD | AF | | Basic | Spray Booth | TBD |
| TBD | AG | | Basic | Spray Booth | TBD |
| TBD | AH | | Basic | Spray Booth | TBD |
| TBD | AI | | Basic | Spray Booth | TBD |
| T006761 | W | PTO | Basic | Fuel Dispensing, JP-5/JP-8 | Building 431, Site 4 |
| T006762 | W | PTO | Basic | Fuel Dispensing, JP-5/JP-8 | Building 431, Site 4 |
| T006763 | W | PTO | Basic | Fuel Dispensing, JP-5/JP-8 | Building 468, Site 4 |

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|---------|-----|-----|------------------------------|--|----------------------|
| T006772 | AA | PTO | Basic | Storage Tank | Building 410, Site 4 |
| T006773 | X | PTO | Basic | Storage Tank | Building 468, Site 4 |
| T006786 | X | PTO | Basic | Storage Tank | Building 468, Site 4 |
| T006787 | X | PTO | Basic | Storage Tank | Building 468, Site 4 |
| T006793 | Y | PTO | Basic | Storage Tank | Building 410, Site 4 |
| T006794 | Z | PTO | Basic | Storage Tank | Building 431, Site 4 |
| C011099 | AJ | ATC | Air Pollution Control Device | Portable Air Pollution Control Equipment | Various Locations |
| C011105 | AJ | ATC | Air Pollution Control Device | Portable Air Pollution Control Equipment | Various Locations |
| C011106 | AJ | ATC | Air Pollution Control Device | Portable Air Pollution Control Equipment | Various Locations |
| C011107 | AJ | ATC | Air Pollution Control Device | Portable Air Pollution Control Equipment | Various Locations |
| C011108 | AJa | ATC | Air Pollution Control Device | Portable Air Pollution Control Equipment | Various Locations |
| TBD | AK | ATC | Basic | Turbine, Portable Start Cart | Various Locations |
| B011296 | AL | | Basic | Boiler 1 | Building 410, Site 4 |
| B011296 | AM | | Basic | Boiler 2 | Building 410, Site 4 |

PART II FACILITYWIDE APPLICABLE REQUIREMENTS

1. A person shall not discharge into the atmosphere from any single source of emission whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is as dark or darker in shade as that designated No. 1 on the Ringelmann Chart, as published by the United States Bureau of Mines.

(a) The provisions of this rule shall not apply to abrasive blasting operations.

CDM - The CARB Visible Emissions Evaluation shall be used to determine compliance with Rule 401. A VE Evaluation will be performed if emissions are observed or upon public complaint. VE evaluation records, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel.

[Rule 401 - *Visible Emissions*; Version in SIP = 3/2/1984 Approved 5/3/1984 49 FR 18822, 40 CFR 52.220(c)(70)(i)(D) and 40 CFR 52.227(b)(4)(i) and 1/29/1985, 40 CFR 52.220(c)(155)(iv)(B) 50 FR 3906; Current Rule Version = 4/7/1989]

2. Owner/Operator must comply with the applicable fuel sulfur requirements specified in Rules 431.1 and 431.2.

CDM - Compliance with fuel sulfur limit for natural gas fuel shall be determined by records supplied from the natural gas supplier documenting the sulfur content of the natural gas supplied as fuel. Compliance with Rule 431.2 fuel sulfur limit for diesel fuel shall be determined by records that the fuel used at the facility is CARB certified diesel fuel with the supplier's fuel analysis guarantee. Records, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel. .

[Rule 431.1 - *Sulfur Content of Gaseous Fuels*; Version in SIP = 5/6/1983 Approved 10/19/84, 49 FR 41028, 40 CFR 52.220(c)(137)(vii)(B), Current Rule Version = 11/17/1995]

[Rule 431.2 - *Sulfur Content of Liquid Fuels*; Version in SIP = 2/2/1979 Approved 9/28/81, 46 FR 47451, 40 CFR 52.220(c)(65)(ii)], Current Rule Version = 5/4/1990]

3. No person shall supply any vehicular diesel fuel having a sulfur content exceeding 15 parts per million by weight. The 15 parts per million sulfur standard shall not apply where the person supplying the diesel fuel demonstrates as an affirmative defense that the exceedance was caused by diesel fuel delivered to the facility prior to July 15, 2006, the effective date of the requirement. California nonvehicular diesel fuel is subject to all of the requirements applicable to vehicular diesel fuel.

CDM - Compliance with fuel sulfur limit for diesel fuel shall be determined by records demonstrating that the fuel used at the facility is CARB certified diesel fuel with the supplier's fuel analysis guarantee. Records, either paper or computerized, shall be kept on-site and available for review at any

time by District, State or Federal personnel. The sulfur content of diesel fuel shall be determined by use of ASTM Test Method D5453-93 or any other test method determined by the Executive Officer to give equivalent results.

[California Code of Regulations, Title 13, Division 3 Chapter 5 (Standards for Motor Vehicle Fuels) Article 2. Standards for Diesel Fuel and California Code Of Regulations, Title 17. Public Health, Division 3. Air Resources Chapter 1. Air Resources Board Subchapter 7.5 Airborne Toxic Control Measures § 93114(b). Airborne Toxic Control Measure to Reduce Particulate Emissions from Diesel-Fueled Engines – Standards for Nonvehicular Diesel Fuel.]

4. Emissions of fugitive dust from any transport, handling, construction or storage activity at this facility shall not be visible in the atmosphere beyond the property line of the facility.

CDM - Compliance with Rule 403 requires the Owner/Operator's submittal of notification and a fugitive dust control plan not more than 7 days after qualifying as a large operation or as a medium operation under a U.S EPA contingency notification, unless the activity is considered exempt from Rule 403. In addition a daily record of actions taken will be maintained if a large operation or if medium operation under contingency notification. Records, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel.

[Rule 403 - *Fugitive Dust*; Version in SIP = 5/7/1976 Approved 9/8/1978, 43 FR 40011, 40 CFR 52.220(c)(39)(iii)(C), Current Rule Version = 4/20/2010]

5. Owner/Operator shall not discharge into the atmosphere from this facility, particulate matter, in excess of the concentration at standard conditions, shown in Rule 404, Table 404 (a).
 - (a) Where the volume discharged is between figures listed in the table, the exact concentration permitted to be discharged shall be determined by linear interpolation.
 - (b) A person shall not discharge into the atmosphere from any source, particulate matter in excess of 450 milligrams per cubic meter (0.196 grain per cubic foot) in discharged gas calculated as dry gas at standard conditions.
 - (c) The provisions of this condition shall not apply to emissions resulting from the combustion of liquid or gaseous fuels in steam generators or gas turbines.
 - (d) For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

CDM - The CARB Visible Emissions Evaluation shall be used to determine compliance with Rule 404. A VE Evaluation will be performed if emissions are observed or upon public complaint. VE evaluation records, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel.

[Rule 404 - *Particulate Matter Concentration*; Version in SIP = 10/5/1979 Approved 9/28/1981, 46 FR 47451, 40 CFR 52.220(c)(58)(ii)(B), Submitted as amended 2/7/1986 on 6/4/1986, approved for SCAQMD area only 9/2/1998; Current Rule Version = 2/7/1986]

6. Owner/Operator shall not discharge into the atmosphere from this facility, solid particulate matter including lead and lead compounds in excess of the rate shown in Rule 405, Table 405(a).
 - (a) Where the process weight per hour is between figures listed in the table, the exact weight of permitted discharge shall be determined by linear interpolation.
 - (b) For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

CDM - The CARB Visible Emissions Evaluation shall be used to determine compliance with Rule 405. A VE Evaluation will be performed if emissions are observed or upon public complaint. VE evaluation records, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel.

[Rule 405 - *Solid Particulate Matter, Weight*; Version in SIP = 5/7/1976 Approved 9/28/1981, 46 FR 47451, 40 CFR 52.220(c)(69)(ii), Submitted as amended 2/7/1986 on 6/4/1986 and approved for SCAQMD area only 9/2/1998; Current Rule Version = 2/7/1986]

7. Owner/Operator shall not discharge into the atmosphere from any equipment, except; stationary internal combustion engines, propulsion of mobile equipment, emergency venting due to equipment failure or process upset:
 - a. Carbon monoxide (CO) exceeding 2,000 ppm by volume measured on a dry basis, averaged over 15 consecutive minutes
 - b. Sulfur compounds which would exist as liquid or gas at standard conditions, calculated as sulfur dioxide (SO₂) and averaged over 15 consecutive minutes, exceeding 500 ppm by volume.

The provisions of subsection (b) of this rule do not apply to equipment subject to the emission limits of Regulation XI rules and equipment which complies with the gaseous fuel sulfur content limits of Rule 431.1.

CDM - SCAQMD Method 100.1 or 10.1, 307-91 are used to directly measure CO and SO₂; however no method is required to demonstrate compliance with Rule 407. Continuous compliance with Rule 407 is assumed.

[Rule 407 - *Liquid and Gaseous Air Contaminants*; Version in SIP 4/2/1982 Approved 11/10/1982 47

FR 50864, 40 CFR 52.220(c)(124)(iv)(A); Current Rule Version = 4/2/1982]

8. A person shall not build, erect, install, or use any equipment, the use of which, without resulting in a reduction in the total release of air contaminants to the atmosphere, reduces or conceals an emission which would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the Health and Safety Code or of these rules.
 - (a) This condition shall not apply to cases in which the only violation involved is of Section 48700 of the Health and Safety Code, or Rule 402 of these Rules.

CDM - Compliance with Rule 408 shall be determined during periodic facility inspections. Inspection records, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel.

[Rule 408 - *Circumvention*; Version in SIP = 5/7/1976 Approved 9/8/78, 43 FR 40011, 40 CFR 52.220(c)(39)(iii)(C); Current Rule Version = 5/7/1976]

9. Owner/Operator shall not discharge into the atmosphere from the burning of fuel, combustion contaminants exceeding 0.23 gram per cubic meter (0.1 grain per cubic foot) of gas calculated to 12 percent of carbon dioxide (CO₂) at standard conditions averaged over a minimum of 15 consecutive minutes.
 - (a) The condition shall not apply to jet engine test stands and emissions from internal combustion engines.

CDM - The CARB Visible Emissions Evaluation shall be used to determine compliance with Rule 409. Owner/Operator will perform a VE Evaluation if emissions are observed or upon public complaint. VE evaluation records, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel.

[Rule 409 - *Combustion Contaminants*; Version in SIP = 8/7/1981 Approved 7/6/82, 47 FR 29231, 40 CFR 52.220(c)(103)(xviii)(A); Current Rule Version = 8/7/1981]

10. All coatings, diluents, thinners, solvents and methods of application not subject to another source-specific Regulation XI rule shall comply with AVAQMD Rule's 442, as referenced in Appendix A. Pursuant to Rule 442, a person shall not discharge VOCs into the atmosphere from all VOC containing materials, emissions units, equipment or processes subject to this rule, in excess of 540 kilograms (1,190 pounds) per calendar month per Facility.
 - (a) The limits of this rule do not apply to aerosol products, pesticides including, herbicides, insecticides and/or rodenticides, or to the storage and transport of organic solvents.

CDM - Compliance with Rule 442 shall be determined using Material Safety Data Sheet information and

recordkeeping required pursuant to Rule 109 as referenced in Appendix A. Material Safety Data Sheets and Rule 109 records, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel.

[Rule 442 - *Usage of Solvents*; Version in SIP = 3/5/1982 Approved 11/16/1983, 48 FR 52054, 40 CFR 52.220(c)(125)(ii)(D); Current Rule Version = 11/15/2005; *Current version of the rule eliminates the hourly and daily limits, eliminates the references to photochemical and nonphotochemical reactivity, sets a facility-wide calendar monthly limit of 1190 pounds of VOC, and adds an exemption for aerosol products. For compliance purposes the current version of the rule shall apply*]

[Rule 204 – Permit Conditions; [Version in SIP = 8/19/1997 Approved 2/22/2005, 70 FR 8557, 40 CFR 52.220(c)(254)(i)(E)(3); Current Rule Version = 8/19/1997]

[Rule 109- *Recordkeeping For Volatile Organic Compound Emissions*; Version in SIP = 3/6/1992 Approved: 4/13/1995, 60 FR 18751, 40 CFR 52.220(c)(189)(i)(A)(6); Current Rule Version = 5/17/2005]

11. Owner/Operator's use of *Architectural Coatings* at this facility shall comply with the requirements of Rule 1113, including the VOC limits specified in Rule 1113.

CDM - Compliance with the VOC content limits of Rule 1113 shall be determined using Material Safety Data Sheet information and Rule 109 daily architectural coating usage records. Material Safety Data Sheets and Rule 109 daily architectural coating usage records, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel.

[Rule 1113 - *Architectural Coatings*; Version in SIP = 3/18/2003 Approved 8/6/2004, 69 FR 52432, 40 CFR 52.220(c)(316)(i)(F)(1); Current Rule Version = 3/18/2003]

12. *Aerospace Assembly And Component Manufacturing Operations* at this facility shall comply with the requirements of Rule 1124, including the VOC limits specified in Rule 1124.

CDM - Compliance with the Rule 1124 VOC content limits and solvent use requirements shall be determined using Material Safety Data Sheet information and recordkeeping required pursuant to Rule 109 and referenced in Appendix A. Compliance with the transfer efficiency requirements and rule exemption limits shall be determined using recordkeeping required pursuant to Rule 109 and referenced in Appendix A. Material Safety Data Sheets and Rule 109 records, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel.

[Rule 1124 - *Aerospace Assembly And Component Manufacturing Operations*; Version in SIP = 1/13/1995 Approved 5/6/1996, 61 FR 20136, 40 CFR 52.220(c)(215)(I)(A)(5); Current Rule Version = 3/20/2007; *Current version of the rule adds specialty coating categories including adhesives - high temperature autoclavable, adhesive bonding primer - military, fuel tank coating - rapid cure, and mold-release coating. For compliance purposes the current version of the rule shall apply.*]

[Rule 109- *Recordkeeping For Volatile Organic Compound Emissions*; Version in SIP = 3/6/1992 Approved: 4/13/1995, 60 FR 18751, 40 CFR 52.220(c)(189)(i)(A)(6); Current Rule Version =

5/17/2005]

13. *Coating Of Metal Parts And Products* at this facility shall comply with the requirements of Rule 1107, including the VOC limits specified in Rule 1107.

CDM - Compliance with the Rule 1107 VOC content limits and solvent use requirements shall be determined using Material Safety Data Sheet information and recordkeeping required pursuant to Rule 109 and referenced in Appendix A. Compliance with the transfer efficiency requirements and rule exemption limits shall be determined using recordkeeping required pursuant to Rule 109 and referenced in Appendix A. Material Safety Data Sheets and Rule 109 records, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel.

[Rule 1107 - *Coating Of Metal Parts And Products*; Version in SIP = 5/12/1995 Approved 7/14/1995, 60 FR 36230, 40 CFR 52.220(c)(222)(i)(A)(1); Current Rule Version = 3/8/1996; *Current version of the rule includes an exemption for aerosol products. For compliance purposes the current version of the rule shall apply.*]

[Rule 109- *Recordkeeping For Volatile Organic Compound Emissions*; Version in SIP = 3/6/1992 Approved: 4/13/1995, 60 FR 18751, 40 CFR 52.220(c)(189)(i)(A)(6); Current Rule Version = 5/17/2005]

14. Owner/Operator's use of *Wood Products Coatings* at this facility shall comply with the requirements of Rule 1136, including the VOC limits specified in Rule 1136.

CDM - Compliance with the Rule 1136 VOC content limits and solvent use requirements shall be determined using Material Safety Data Sheet information and recordkeeping required pursuant to Rule 109 and referenced in Appendix A. Compliance with the transfer efficiency requirements and rule exemption limits shall be determined using recordkeeping required pursuant to Rule 109 and referenced in Appendix A. Material Safety Data Sheets and Rule 109 records, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel.

[Rule 1136 - *Wood Products Coatings*; Version in SIP = 9/8/1995 Approved 10/31/1995, 60 FR 55312, 40 CFR 52.220(c)(225)(i)(A)(1); Current Rule Version = 6/14/1996: *Current version adds coating categories, raises VOC limit for high solids stains, adds lb VOC/lb solid compliance option, and adds a transfer efficiency exemption for applying compliant materials. For compliance purposes the current version of the rule shall apply.*]

[Rule 109- *Recordkeeping For Volatile Organic Compound Emissions*; Version in SIP = 3/6/1992 Approved: 4/13/1995, 60 FR 18751, 40 CFR 52.220(c)(189)(i)(A)(6); Current Rule Version = 5/17/2005]

15. Owner/Operator's use of *Plastic, Rubber and Glass Coatings* at this facility shall comply with the requirements of Rule 1145, including the VOC limits specified in Rule 1145.

CDM - Compliance with the Rule 1145 VOC content limits and solvent use requirements shall be determined using Material Safety Data Sheet information and recordkeeping required pursuant to Rule 109 and referenced in Appendix A. Compliance with the transfer efficiency requirements and rule exemption limits shall be determined using recordkeeping required pursuant to Rule 109 and referenced in Appendix A. Material Safety Data Sheets and Rule 109 records, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel.

[Rule 1145 – *Plastic, Rubber and Glass Coatings*; Version in SIP = 1/10/1992 Approved 12/20/1993, 58 FR 66286, 40 CFR 52.220(c)(191)(i)(A)(1); Current Rule Version = 2/14/1997; *Current version references compliance with Rule 1171 in place of rule references to solvent cleaning and stripping requirements and adds an airbrush transfer efficiency exemption. For compliance purposes the current version of the rule shall apply.*]

[Rule 109- *Recordkeeping For Volatile Organic Compound Emissions*; Version in SIP = 3/6/1992 Approved: 4/13/1995, 60 FR 18751, 40 CFR 52.220(c)(189)(i)(A)(6); Current Rule Version = 5/17/2005]

16. Owner/Operators use of *Industrial, Institutional, And Commercial Boilers, Steam Generators, And Process Heaters* shall comply with the requirements of Rule 1146. including but not limited to applicable NOx and CO emission limits and tuning requirements and recordkeeping.

[Rule 1146 – *Emissions Of Oxides Of Nitrogen From Industrial, Institutional, And Commercial Boilers, Steam Generators, And Process Heaters*; Version in SIP = 5/13/94 Approved 9/6/95, 60 FR 46220, 40 CFR 52.220(c)(198)(i)(H)(1)]

CDM - Compliance with Rule 1146 emission limitations for NOx and CO shall be demonstrated through recordkeeping and/or logs which include fuel usage, tune-up results, calibrations, or compliance testing.

17. *Adhesive Applications* at this facility shall comply with the requirements of Rule 1168, including the VOC limits specified in Rule 1168.

CDM - Compliance with the Rule 1168 VOC content limits and solvent use requirements shall be determined using Material Safety Data Sheet information and recordkeeping required pursuant to Rule 109 and referenced in Appendix A. Compliance with the transfer efficiency requirements and rule exemption limits shall be determined using recordkeeping required pursuant to Rule 109 and referenced in Appendix A. Material Safety Data Sheets and Rule 109 records, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel.

[Rule 1168 – *Adhesive Applications*; Version in SIP = SIP Pending; Submitted as amended 12/10/1993 on 10/19/1994. Current Version = 1/19/2010]

[Rule 109- *Recordkeeping For Volatile Organic Compound Emissions*; Version in SIP = 3/6/1992 Approved: 4/13/1995, 60 FR 18751, 40 CFR 52.220(c)(189)(i)(A)(6); Current Rule Version =

5/17/2005]

18. Owner/Operator of this facility shall comply with the Solvent Cleaning Operations requirements of District Rule 1171.

CDM - Compliance with the Rule 1171 VOC content limits and solvent use requirements shall be determined using Material Safety Data Sheet information and recordkeeping required pursuant to Rule 109 and referenced in Appendix A. Compliance with the cleaning device and methods requirements, requirement that solvent not be atomized unless directed to a control device, and rule exemption limits shall be determined using recordkeeping required pursuant to Rule 109 and referenced in Appendix A. Material Safety Data Sheets and Rule 109 records, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel.

[Rule 1171- *Solvent Cleaning*; Version in SIP = 9/13/1996 Approved 5/24/2001, 66 FR 28666, 40 CFR 52.220(c)(262)(i)(e)(2); Current Rule Version = 11/17/1998; *Current version of the rule limits solvents used for repair and maintenance cleaning to 900 g/l VOC or 20 mmHg composite partial pressure at 20 degrees C. For compliance purposes the current version of the rule shall apply.*]

[Rule 109- *Recordkeeping For Volatile Organic Compound Emissions*; Version in SIP = 3/6/1992 Approved: 4/13/1995, 60 FR 18751, 40 CFR 52.220(c)(189)(i)(A)(6); Current Rule Version = 5/17/2005]

19. All paint, coating, solvent, adhesive or resin containers including drums, buckets, cans, pails, trays or other application containers shall be kept closed when not in use. All paints, coatings, solvents, adhesives or resins used shall be stored in non-absorbent, non-leaking containers and all evidence of spilled material shall be cleaned up immediately. All cloth and paper moistened with VOC-containing paints, coatings, solvents, adhesives or resins shall be stored in closed, non-absorbent, non-leaking containers.

CDM - Compliance with the requirement that all VOC-containing materials be stored in closed containers and that all cloth or paper moistened with VOC-containing material shall be stored in closed containers shall be determined during a periodic spray booth/coating operation inspection. Periodic inspection records, either paper or computerized and including the name of the person performing the inspection, the date and time of the inspection and the results and corrections, if any, shall be kept on-site and available for review at any time by District, State or Federal personnel.

[Rule 1107 - *Coating Of Metal Parts And Products*; Version in SIP = 5/12/1995 Approved 7/14/1995, 60 FR 36230, 40 CFR 52.220(c)(222)(i)(A)(1); Current Rule Version = 3/8/1996; *Current version of the rule includes an exemption for aerosol products. For compliance purposes the current version of the rule shall apply.*]

[Rule 1113 - *Architectural Coatings*; Version in SIP = 3/18/2003 Approved 8/6/2004, 69 FR 52432, 40 CFR 52.220(c)(316)(i)(F)(1); Current Rule Version = 3/18/2003]

[Rule 1124 - *Aerospace Assembly And Component Manufacturing Operations*; Version in SIP = 1/13/1995 Approved 5/6/1996, 61 FR 20136, 40 CFR 52.220(c)(215)(I)(A)(5); Current Rule Version = 3/20/2007; Current Rule Version = 3/20/2007; *Current version of the rule adds specialty coating categories including adhesives - high temperature autoclavable, adhesive bonding primer - military, fuel tank coating - rapid cure, and mold-release coating. For compliance purposes the current version of the rule shall apply.*]

[Rule 1162 – *Polyester Resin Operations*; Version in SIP = SIP Pending; Submitted as amended 5/13/1994 on 5/24/1994; Current Rule Version = 5/13/1994]

[Rule 1168 – *Adhesive Applications*; Version in SIP = SIP Pending; Submitted as amended 12/10/1993 on 10/19/1994. Current Rule Version = 4/11/1997]

[Rule 1171- *Solvent Cleaning*; Version in = SIP 9/13/1996 Approved 5/24/2001, 66 FR 28666, 40 CFR 52.220(c)(262)(i)(e)(2); Current Rule Version = 11/17/1998: *Current version of the rule limits solvents used for repair and maintenance cleaning to 900 g/l VOC or 20 mmHg composite partial pressure at 20 degrees C. For compliance purposes the current version of the rule shall apply.*]

[40 CFR 63, National Emission Standards for Hazardous Air Pollutants, Subpart A, General Provisions, and Subpart GG, Aerospace Manufacturing and Rework Facilities. [40 CFR 63.741- 63.753]]

20. Owner/Operator's *Polyester Resin Operations* at this facility shall comply with the requirements of Rule 1162, including the Material and Process limits specified in Rule 1162.

CDM - Compliance with the Material and Process limits of Rule 1162 shall be demonstrated through daily recording of the following information: (a) The manufacturer's name, the type and amount of each of the polyester resin materials used; (b) The weight (in percent) of monomer for all polyester resin materials, and, if adding VOC-containing materials to the polyester resin, the amount of VOC-containing materials, in grams, and the VOC content in grams per liter, of VOC-containing materials; (c) For vapor suppressed resins, a certificate from a resin manufacturer for each resin type; and (d) For closed-mold and pultrusion systems, the weight loss (in percent) of polyester resin materials for each application. If an emissions control system is used as a means of complying with Rule 1162 daily records of all key system parameters, including hours of operation, temperatures, pressures and flow rates, that are necessary to demonstrate compliance with control efficiency requirements shall also be maintained.

[Rule 1162 – *Polyester Resin Operations*; Version in SIP = SIP Pending; Submitted as amended 5/13/1994 on 5/24/1994; Current Rule Version = 5/13/1994]

21. Owner/Operator's use of *Abrasive Blasting* at this facility shall comply with the requirements of Rule 1140.

CDM - The CARB Visible Emissions Evaluation shall be used to determine compliance with the Rule

1140 visible emissions requirements. Owner/Operator will perform a VE Evaluation if emissions are observed or upon public complaint. VE evaluation records, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel.

CDM - Compliance with the operating and material requirements of the rule shall be determined during a periodic inspection. Periodic inspection records, either paper or computerized and including the name of the person performing the inspection, the date and time of the inspection and the results and corrections, if any, shall be kept on-site and available for review at any time by District, State or Federal personnel.

[Rule 1140 – *Abrasive Blasting*; Version in SIP = 2/1/1980 Approved 9/28/1981, 46 FR 47451, 40 CFR 52.220(c)(67)(i)(B); Current Rule Version = 8/2/1985]

22. Owner/Operator of permit units subject to Comprehensive Emissions Inventory Report / Annual Emissions Determinations for District, State, and Federal required Emission Inventories shall monitor and record for each unit the cumulative annual usage of each fuel type. The cumulative annual usage of each fuel type shall be monitored from utility service meters, purchase or tank fill records.

CDM - Compliance demonstration shall be through the retention of fuel use records. Annual usage of each fuel type shall be monitored from utility service meters, purchase or tank fill records. Records shall be kept on-site and available for review at any time by District, State or Federal personnel.

[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (for Periodic Monitoring Requirements; see Part II and Part III conditions)

[Regulation 204 – *Permit Conditions*; [Version in SIP = 8/19/1997 Approved 2/22/2005, 70 FR 8557, 40 CFR 52.220(c)(254)(i)(E)(3); Current Rule Version = 8/19/1997]

[California Clean Air Act, Health and Safety Code §§39607 and §§44300 et seq., and the Federal Clean Air Act, §110(a)(2)(F)(ii), codified in 40 CFR 60 Subpart Q]

23. Owner/Operator shall comply with the applicable provisions of 40 CFR 61, *National Emission Standards for Hazardous Air Pollutants*, Subpart A, *General Provisions*, and Subpart M, *Asbestos*.

CDM - Compliance demonstration shall be through the retention of records demonstrating that the training required pursuant to 40 CFR 61.145 (c)(8) has been completed. Training records shall be kept on-site and available for review at any time by District, State or Federal personnel.

[40 CFR 61, Subparts A and M]

24. Owner/Operator shall notify APCO/District at least 10 working days before any applicable asbestos stripping or removal work is to be performed as required by section 61.145.b of 40 CFR 61 Subpart M, *National Emission Standard for Asbestos*.

CDM - Compliance demonstration shall be through the retention of all notifications, which shall be

kept on-site and available for review at any time by District, State or Federal personnel.

[40 CFR 61.145.b]

25. Owner/Operator shall notify the APCO/District, on an annual basis, postmarked by December 17 of the calendar year, of the predicted asbestos renovations for the following year as required by section 61.145.b of 40 CFR 61, Subpart M [see cite for threshold triggering and applicability].

CDM - Compliance demonstration shall be through the retention of all annual submittals, which shall be kept on-site and available for review at any time by District, State or Federal personnel.

[40 CFR 61.145.b]

26. Operator shall keep adequate records to verify daily usage and daily VOC emissions in accordance with Rule 109. MSDS for all coatings, solvents, adhesives and other materials used in these operations shall be kept current, on-site, and provided to AVAQMD personnel upon request.

CDM - Compliance with the VOC limits shall be determined using Material Safety Data Sheet information and recordkeeping required pursuant to Rule 109 and referenced in Appendix A. Material Safety Data Sheets and Rule 109 records, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel.

[Rule 109- *Recordkeeping For Volatile Organic Compound Emissions*; Version in SIP = 3/6/1992 Approved: 4/13/1995, 60 FR 18751, 40 CFR 52.220(c)(189)(i)(A)(6); Current Rule Version = 4/20/2010]

27. Facility shall comply with the applicable requirements of *Regulation XIII, New Source Review*.

CDM - Compliance demonstration shall be through the retention of all permit applications, which shall be kept on-site and available for review at any time by District, State or Federal personnel.

[Regulation XIII- New Source Review; Version in SIP = SIP Pending; Submitted as amended 3/20/2001 on 10/31/2001; Approved for SCAQMD 12/4/1996, 61 FR 64291, 40 CFR 52.220(c)(240)(i)(A)(1); Conditionally Approved 6/9/1982, 47 FR 25013, 40 CFR 52.220(c)(87)(v)(A); Conditionally Approved 1/21/1981, 46 FR 5965, 40 CFR 52.220(c)(68)(i); Current Rule Version = 3/20/2001]

28. The total quantity of coatings and solvents used in permitted equipment at this facility shall be limited to 700 gallons in any one day, midnight to midnight. VOC emissions from these permit units shall not exceed 3900 pounds in any one day, midnight to midnight.

[Rule 1303 - *Requirements*; Version in SIP: Submitted as amended 03/20/01; Approved 2/4/96, 61 FR

64291, 40 CFR 52.220(c)(240)(i)(A)(1); Conditionally Approved 6/9/82, 47 FR 25013, 40 CFR 52.220(c)(87)(v)(A); Conditionally Approved 1/21/81, 46 FR 5965, 40 CFR 52.220(c)(68)(i)]

29. Owner/Operator shall comply with all applicable provisions of 40 CFR 63, *National Emission Standards for Hazardous Air Pollutants*, Subpart A, *General Provisions*, and Subpart GG, *Aerospace Manufacturing and Rework Facilities*.

CDM - Compliance with the 40 CFR 63, *National Emission Standards for Hazardous Air Pollutants*, subpart A, *General Provisions*, and subpart GG, *Aerospace Manufacturing and Rework Facilities* VOC content limits and solvent use requirements shall be determined using Material Safety Data Sheet information and recordkeeping required pursuant to Rule 109. Compliance with the transfer efficiency requirements and rule exemption limits shall be determined using recordkeeping required pursuant to Rule 109. Compliance with Organic and Inorganic HAP emission limits from primer and topcoat coating operations shall be determined using recordkeeping required pursuant to Rule 109. Compliance with non chemical depainting operations exemption shall be determined by quantifying the number of aircraft depainted per year. Compliance with operations and maintenance requirements determined through facilities operation and maintenance plan. Records either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel
[40 CFR 63.741-63.753]

30. Owner/Operator shall comply with all applicable provisions of 40 CFR 63, *National Emission Standards for Hazardous Air Pollutants*, Subpart A, *General Provisions*, and Subpart WWWW, *Reinforced Plastics Composite Production*.

CDM – Compliance with 40 CFR 63, *National Emission Standards for Hazardous Air Pollutants*, Subpart A, *General Provisions*, and Subpart WWWW, *Reinforced Plastics Composite Production* toxic air pollutant and VOC limits shall be determined using Material Safety Data Sheet information and recordkeeping required pursuant to Rule 109. In addition, all applicable RPC Emission calculations shall be performed according to the methods and calculation protocol stipulated in Subpart WWWW.
[40 CFR 63.5780-5935]

31. Owner/Operator shall comply with all applicable provisions of 40 CFR 63, *National Emission Standards for Hazardous Air Pollutants*, subpart A, *General Provisions*, and Subpart DDDDD, *Industrial, Commercial, Institutional Boilers and Process Heaters*.

CDM – Compliance with 40 CFR *National Emission Standards for Hazardous Air Pollutants*, Subpart A, *General Provisions*, and Subpart DDDDD, *Industrial, Commercial, Institutional Boilers and Process Heaters* shall be demonstrated through emissions compliance testing, the sole use of gaseous fuels, and records of initial notification.
[40 CFR 63.7480-63.7575]

32. Owner/Operator shall comply with all applicable provisions of 40 CFR 63, *National Emission Standards for Hazardous Air Pollutants*, Subpart A, *General Provisions*, and Subpart ZZZZ, *Stationary Reciprocating Internal Combustion Engines*.

CDM (As applicable to B008592 and B008730-Cogen Units 1 and 2)– Compliance with 40 CFR *National Emission Standards for Hazardous Air Pollutants*, Subpart A, *General Provisions*, and Subpart ZZZZ, *Stationary Reciprocating Internal Combustion Engines* formaldehyde concentration requirement shall be determined by conducting semi-annual performance tests. After the o/o has demonstrated compliance for two consecutive tests, the o/o may reduce the frequency of subsequent performance tests to annually. If the results of any subsequent annual performance test indicate the stationary RICE is not in compliance with the CO or formaldehyde emission limitation, or the o/o deviates from any of the operating limitations, o/o must resume semi-annual performance tests. Compliance with maintaining the catalyst pressure drop requirement of within the operating limitation established during the performance test shall be determined by recordkeeping of monthly readings except for those months in which engines are down. However, the owner/operator should record the pressure drop immediately upon startup of the RICE. Compliance with maintaining the catalyst inlet temperature within operating limitations shall be determined thru recordkeeping of 4 hour rolling averages. A written startup, shutdown and malfunction (SSM) plan shall be developed and available implemented according to 63.6(e)(3). Compliance report shall be submitted semi-annually within 30 days of the midpoint of the anniversary of the date of the issuance or renewal of this Federal Operating Permit. Records either paper or computerized, shall be kept on-site and available for review at anytime by District, State or Federal personnel.

[40 CFR 63.6605- 63.6660]

PART III EQUIPMENT SPECIFIC APPLICABLE REQUIREMENTS

A. CONDITIONS APPLICABLE TO PORTABLE ABRASIVE BLASTING SYSTEM; AVAQMD PERMIT # A006693:

1. Discharge from this operation to the air outside the building in which the unit is normally used shall be limited to an opacity of 40% (Ringelmann 2 equivalent) for no more than 3 minutes in any one hour period.
2. Equipment shall be operated within enclosed buildings at Air Force Plant 42 Sites 3 and 4.
3. The abrasive blasting system shall not be operated more than 8 hours in any one day, midnight to midnight.
4. Use of this equipment is limited to a maximum of 1200 hours per calendar year.

CDM A – The CARB VEE shall be used to determine compliance with condition 1. Owner/Operator will perform a VEE if emissions are observed with an opacity at or above 40% (Ringelmann 2 equivalent) or upon public complaint. VEE records, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

CDM B – Compliance with conditions 3 and 4 shall be demonstrated with a log containing the date, hour(s) of operation, and type and amount of abrasive used. The log, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

B. CONDITIONS APPLICABLE TO PORTABLE ABRASIVE BLASTING SYSTEMS; AVAQMD PERMIT # A006778 AND A006784:

1. Discharge from this operation to the air outside the building in which the unit is normally used shall be limited to an opacity of 40% (Ringelmann 2 equivalent) for no more than 3 minutes in any one hour period.
2. Equipment shall be operated within enclosed buildings at Air Force Plant 42 Sites 3 and 4.
3. The blast nozzles shall not be operated unless it is vented to air pollution control equipment which has been issued a permit to operate by the district.

CDM A – The CARB VEE shall be used to determine compliance with condition 1.

Owner/Operator will perform a VEE if emissions are observed with an opacity at or above 40% (Ringelmann 2 equivalent) or upon public complaint. VEE records, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

CDM B – Compliance with condition 3 shall be demonstrated with a log containing information as specified in permit C006781. The compliance demonstration documentation, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

C. CONDITIONS APPLICABLE TO PORTABLE ABRASIVE BLASTING SYSTEM; AVAQMD PERMIT # A007738:

1. Discharge from this operation to the air outside the building in which the unit is normally used shall be limited to an opacity of 40% (Ringelmann 2 equivalent) for no more than 3 minutes in any one hour period.
2. Equipment shall be operated within enclosed buildings at Air Force Plant 42 Sites 3 and 4.
3. The amount of media used in this system is limited to 24 pounds per day.
4. Use of this equipment is limited to a maximum of 3360 hours per calendar year.

CDM A – The CARB VEE shall be used to determine compliance with condition 2. Owner/Operator will perform a VEE if emissions are observed with an opacity at or above 40% (Ringelmann 2 equivalent) or upon public complaint. VEE records, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

CDM B – Compliance with conditions 3 and 4 shall be demonstrated with a log containing the date, hour(s) of operation, and type and amount of abrasive used. The log, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

D. CONDITIONS APPLICABLE TO TWO NATURAL GAS WITH PROPANE BACKUP FUELED BOILERS; AVAQMD PERMIT # B006785 AND B006790:

1. These boilers shall be fired with pipeline quality natural gas as the main fuel and propane as the backup fuel.
2. These units shall meet the following emission limits (corrected to 3% oxygen and on a dry basis):

- a. CO less than 400 ppmvd; and
 - b. NOx less than 40 ppmvd.
3. The flue gas recirculation system must be in use whenever the boiler is in operation. The burner shall be equipped with a control system to automatically regulate the combustion air, fuel and recirculated flue gas as the boiler load varies. This automatic control system must be adjusted and tuned at least twice (2 times) per year, according to manufacturer's instructions.

CDM A – Compliance shall be demonstrated using records of all compliance tests, adjustments, tune-ups and calibrations as required above. Records shall be kept indicating the calendar yearly fuel consumption. These records, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

E. CONDITIONS APPLICABLE TO THREE NATURAL GAS FUELED BOILERS; AVAQMD PERMIT # B007857, B007858 AND B007859:

1. These boilers shall be equipped with a non-resettable totalizing fuel flow meter
2. These units shall meet the following emission limits (corrected to 3% oxygen and on a dry basis):
 - a. CO less than 50 ppmvd; and
 - b. NOx less than 9 ppmvd.
3. The flue gas recirculation system must be in use whenever the boiler is in operation. The burner shall be equipped with a control system to automatically regulate the combustion air, fuel and recirculated flue gas as the boiler load varies. This automatic control system must be adjusted and tuned at least twice (2 times) per year, according to manufacturer's instructions, unless the boiler was not operated for at least a six month period, in which case only one (1) tune-up is required.

CDM A – Compliance shall be demonstrated using records of all compliance tests, adjustments, tune-ups and calibrations as required above. Records shall be kept indicating the calendar yearly fuel consumption. These records, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

F. CONDITIONS APPLICABLE TO TWO COGENERATION SYSTEMS; AVAQMD PERMIT # B008592 AND B008730:

1. This equipment shall not be operated without venting through a properly operating non-selective catalytic reduction system (this requirement shall not apply during a catalyst break-in period not to exceed thirty days beginning with the first firing of fuel in this unit).

2. Emissions from this unit shall not exceed the following emission limits:
 - a. Hourly rates, verified by compliance tests (initial compliance test in the case of PM10 and 1,3-Butadiene):
 - I. NO_x as NO₂ – 0.68 lb/hr and 0.15 g/bhp-hr (averaged over one hour)
 - II. VOC and CH₄ - 0.68 lb/hr and 0.15 g/bhp-hr
 - III. CO – 2.7 lb/hr and 0.6 g/bhp-hr
 - IV. PM10 - 0.39 lb/hr (front and back half)
 - V. 1,3-Butadiene - 0.004 lb/hr
 - b. Annual rates, based on a rolling 12-month summary, verified by fuel use and compliance tests
 - I. NO_x - 5,918 lbs/year
 - II. VOC – 5,918 lbs/year (VOC emissions emitted from this facility shall not exceed 3900 pounds/day)
 - III. PM10 - 3392 pounds/year (front and back half)
 - IV. CO – 23,673 lbs/year
 - c. Formaldehyde concentration of 350 ppbv (corrected to 15% oxygen and on a dry basis).
3. Catalyst inlet temperature and catalyst inlet oxygen content shall be continuously monitored using a continuous parametric monitoring system while this system is in operation. The o/o shall install, calibrate, maintain and operate this monitoring system according to a District-approved monitoring protocol. Fuel consumption records shall be kept, either paper or computerized, and made available upon request.
4. The Owner/Operator (o/o) shall perform the following compliance tests each year beginning in 2004 in accordance with the District Compliance Test Procedural Manual. The test report shall be submitted to the District no later than six weeks prior to the expiration date of this permit. The following compliance tests are required:
 - a. NO_x as NO₂ in gram/bhp-hr and lb/hr (measured per USEPA Reference Methods 19 and 20)
 - b. VOC as CH₄ in gram/bhp-hr and lb/hr (measured per USEPA Reference Methods 25A or 18)
 - c. CO in gram/bhp-hr and lb/hr (measured per USEPA Reference Method 10)
5. The catalyst inlet temperature shall be maintained between 750 and 1250 degrees Fahrenheit in accordance with Reciprocating Internal Combustion Engine NESHP (40 CFR 63 Subpart

ZZZZ). This requirement shall not apply for a maximum of thirty minutes after engine startup.

6. This unit shall be fired on pipeline quality natural gas. Propane may be used as a back-up fuel when natural gas is not available or for testing purposes.
7. Owner/Operator shall comply with all applicable provisions of 40 CFR 63, National Emission Standards for Hazardous Air Pollutants, Subpart A, General Provisions, and Subpart ZZZZ, Stationary Reciprocating Internal Combustion Engines.

CDM A – Compliance shall be demonstrated with operational records containing at a minimum the following information, or other equivalent method:

- a. Fuel consumption in standard cubic feet per calendar month.
- b. Catalyst performance data (inlet temperature and catalyst inlet oxygen content).
- c. Other parameters as specified in the District-approved CPMS protocol.
- d. The results of the compliance tests.

The compliance demonstration documentation, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

G. RESERVED:

H. CONDITIONS APPLICABLE TO PAINT/DEPAINT HANGAR; AVAQMD PERMIT # C006781:

1. Dust collected in the primary and secondary collection sections shall be discharged into closed containers. Both primary and secondary filters shall be changed when at least 100,000 square feet of aircraft have been depainted.

CDM A – Compliance shall be demonstrated with either a log containing the information listed below, or other equivalent method.

- a. The owner/operator O/O, shall provide to the District upon request the total number of aircraft depainted in any calendar year.
- b. Should more than 6 aircraft be depainted in any calendar year within Bldg. 333, the owner/operator will be subject to all of the recordkeeping and reporting requirements specified in 40CFR 63 Subpart GG.
- c. The owner/operator O/O will record the pressure drop across the filters each shift during depainting operations. Records shall be either paper or computerized for the pressure drop.

- d. VOC-containing material used within Bldg. 333 will be recorded in accordance with AVAQMD Rule 109.
2. Graco Airless Pump and XTR Spray Gun, operated and maintained according to manufacturer's specifications, when used in conjunction with 163-519 Spray Tip, to apply AEROCHEM Inc. DEPAINT XP Paint Release Agent, Product Code AC-B2XP pursuant to District letter dated 4/21/11 is deemed HVLP equivalent and shall only be operated within control device with District Permit # C006781 and S006766.

The compliance demonstration documentation, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

I. RESERVED:

J. CONDITIONS APPLICABLE TO FIVE STATIONARY DIESEL FUELED PISTON TYPE INTERNAL COMBUSTION ENGINE – EMERGENCY ELECTRICAL POWER GENERATORS; AVAQMD PERMIT # E006770, E006771, E006780, E006782, AND E008420:

1. This unit shall be limited to use for emergency power, defined as a temporary replacement for primary mechanical or electrical power during periods of fuel or energy shortage or while the primary power supply is under repair or when commercially available power has been interrupted.
2. Engine shall operate less than 200 hours per year including operation during emergencies.
3. A non-resettable four-digit (9,999) totalizing time meter shall be installed on the engine.

CDM A – Compliance shall be demonstrated with a log containing the date and duration (in hours) of each use, the reason for use (testing and maintenance, emergency, compliance testing), the cumulative annual hours of operation, the cumulative annual fuel consumption (in gallons) and the fuel sulfur concentration (owner/operate may use the supplier's certification of sulfur content). The log, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

District/State-Only Enforceable Section

4. Engine may operate in response to a notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or if the utility expects to order such outages. The engine may operate for no more than 30 minutes prior to the forecasted outage and must be shut down immediately after the utility advises that the outage is no longer in effect or imminent.

5. This unit shall not be used to provide power during a voluntary agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.
6. The unit shall be operated no more than 20 hours per year for testing and maintenance, excluding compliance testing. Time required for compliance testing is not counted toward the 20 hour per year limit.
7. This unit shall only be fired on ultra-low sulfur diesel fuel, whose sulfur concentration is less than or equal to 0.0015% (15 ppm) on a weight per weight basis per CARB Diesel or equivalent requirements.
8. This unit shall meet the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines (Title 17 CCR 93115).

K. CONDITION APPLICABLE TO ONE STATIONARY DIESEL FUELED PISTON TYPE INTERNAL COMBUSTION ENGINE – EMERGENCY ELECTRICAL POWER GENERATORS; AVAQMD PERMIT # E008106

1. This unit shall be limited to use for emergency power, defined as a temporary replacement for primary mechanical or electrical power during periods of fuel or energy shortage or while the primary power supply is under repair or when commercially available power has been interrupted.
2. Engine shall operate less than 200 hours per year including operation during emergencies.
3. A non-resettable four-digit (9,999) totalizing time meter shall be installed on the engine.

CDM A – Compliance shall be demonstrated with a log containing the date and duration (in hours) of each use, the reason for use (testing and maintenance, emergency, compliance testing), the cumulative annual hours of operation, the cumulative annual fuel consumption (in gallons) and the fuel sulfur concentration (owner/operate may use the supplier's certification of sulfur content). The log, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

District/State-Only Enforceable Section

4. Engine may operate in response to a notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or if the utility expects to order such outages. The engine may operate for no more than 30 minutes prior to the forecasted outage and must be shut down immediately after the utility advises that the outage is no longer in

effect or imminent.

5. This unit shall not be used to provide power during a voluntary agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.
6. The unit shall be operated no more than 50 hours per year for testing and maintenance, excluding compliance testing. Time required for compliance testing is not counted toward the 50 hour per year limit.
7. This unit shall only be fired on ultra-low sulfur diesel fuel, whose sulfur concentration is less than or equal to 0.0015% (15 ppm) on a weight per weight basis per CARB Diesel or equivalent
8. This unit shall meet the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines (Title 17 CCR 93115).

L. CONDITIONS APPLICABLE TO ONE STATIONARY LPG FUELED PISTON TYPE INTERNAL COMBUSTION ENGINE – EMERGENCY ELECTRICAL POWER GENERATORS; AVAQMD PERMIT # E006783:

1. This unit shall be limited to use for emergency power, defined as a temporary replacement for primary mechanical or electrical power during periods of fuel or energy shortage or while the primary power supply is under repair or when commercially available power has been interrupted.
2. Engine shall operate less than 200 hours per year including operation during emergencies.
3. A non-resettable four-digit (9,999) totalizing time meter shall be installed on the engine.

CDM A – Compliance shall be demonstrated with a log containing the date, hour(s) of operation, and the reason for use (testing and maintenance, emergency, compliance testing). The log, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

District/State-Only Enforceable Section

4. Engine may operate in response to a notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or if the utility expects to order such outages. The engine may operate for no more than 30 minutes prior to the forecasted outage and must be shut down immediately after the utility advises that the outage is no longer in effect or imminent.

M. CONDITIONS APPLICABLE TO GASOLINE DISPENSING FACILITY (non-retail); AVAQMD PERMIT NUMBER N006797:

1. The annual throughput of gasoline shall not exceed 600,000 gallons per year.

CDM A - Compliance shall be demonstrated with either a log containing throughput records, or other equivalent method. The compliance demonstration documentation, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

District/State-Only Enforceable Section

2. Owner/Operator shall post in the gasoline dispensing area the District's toll free number.
3. Compliance shall be demonstrated with a log of all inspections, repairs and maintenance on equipment subject to Rule 461. Such logs or records shall be maintained at the facility for at least two (2) years and shall be available to the District upon request.
4. Any modifications or changes to the piping or control fittings of the vapor recovery system require prior approval from the District.
5. Vapor vent pipes are to be equipped with pressure relief valves.
6. The owner or operator shall conduct and pass the following tests at least once every three years using the latest adopted version of the following test procedures;
 - a. Static torque of rotatable Phase I adaptors per TP-201.1B
 - b. Pressure decay test per TP-201.3
 - c. Depending on the system configuration, either TP-201.1D, leak rate of drop tube overflow prevention device and spill container drain valve; or TP-201.1C, leak rate of drop tube/drain valve assembly
 - d. P/V valves in accord with TP-201.1E
7. Passing test report shall be received by the District no later than six (6) weeks prior to the expiration date of this permit in those years when testing is required.
8. Enhanced Vapor Recovery (EVR) 2-Point Phase I Vapor Control Equipment to be installed and maintained in Compliance with EO VR-102-D.
9. The Phase II Vapor Recovery System shall be tested in accordance with the requirements of Executive Order (EO) VR-201-H, as stated herein. The owner or operator shall conduct and pass the following tests ANNUALLY using the latest adopted version of the following test

procedures:

- a. TP-201.3, Determination of 2-Inch WC Static Pressure Performance of Vapor Recovery Systems of Dispensing Facilities (March 17, 1999);
 - b. Exhibit 8, Required Items in Conducting TP-201.3;
 - c. Exhibit 4; Determination of Static Pressure Performance of the Healy Clean Air Separator;
 - d. Exhibit 5, Vapor to Liquid Volume Ratio; and e. Exhibit 7, Nozzle Bag Test Procedure; and The District shall be notified a minimum of 10 days prior to performing the required tests with the final results submitted to the District within 30 days of completion of the tests. The District shall receive passing test report no later than six (6) weeks prior to the expiration date of this permit. Assist EVR Phase II without ISD Equipment to be maintained in Compliance with EO VR-201-H, Dispensers shall be Uni-Hose type.
10. In accordance with the EVR implementation time line, and based on this facilities throughput limit, In-Station-Diagnostics (ISD) is not required. If the o/o wishes to increase throughput allowance, ISD must be installed in accordance with the EVR timeline. Prior to installing this system, a District approved Authority To Construct permit must be obtained.

N. RESERVED:

O. RESERVED:

P. CONDITIONS APPLICABLE TO PORTABLE PAINT SPRAY GUN; AVAQMD PERMIT # P010330, P010331, ~~P010332~~, ~~P010333~~, ~~P010334~~, ~~P010387~~, ~~P010388~~, P010389, ~~P010390~~, ~~P010391~~, P010550, P010551, ~~P010588~~, ~~P010589~~, P010590, P010591: Note-strikethrough denotes cancelled permits

1. The total quantity of VOCs emitted from surface coating operations (including hand surface preparation operations and equipment clean-up) from this spray gun shall not exceed 25 lbs in any day, from midnight to midnight.
2. Use of this equipment in the application of topcoats or primers containing inorganic HAPs shall comply with all applicable provisions of 40 CFR Part 63, Subpart GG

CDM A – Compliance shall be demonstrated by keeping adequate records to verify daily usage and daily VOC emissions in accordance with Rule 109. The records, either paper or

computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

Q. CONDITIONS APPLICABLE TO PAINT SPRAY BOOTHS; AVAQMD PERMIT # S006766 AND S006767:

1. Spray booth shall not be operated unless all exhaust air passes through filter media which meets the requirements of 40 CFR 63.745(g).
2. In accordance with the Aerospace NESHAP 40 CFR Subpart GG, a gauge shall be installed to indicate the static pressure, in inches w.g., across the exhaust filters. If the pressure drop across the exhaust filters falls outside the limit(s) specified by the filter manufacturer or in District approved locally prepared operating procedures, the unit shall be shut down until the filters have been changed, or other action is taken to return the pressure drop to within the allowable limit(s).

CDM A – Compliance shall be demonstrated with either a log containing the air filter pressure differential in accordance with the Aerospace NESHAP 40 CFR 63 Subpart GG. The compliance demonstration documentation, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

R. CONDITIONS APPLICABLE TO PAINT SPRAY BOOTH; AVAQMD PERMIT # S006874:

1. Spray booth shall not be operated unless all exhaust air passes through filter media which meets the requirements of 40 CFR 63.745(g).
2. In accordance with the Aerospace NESHAP 40 CFR Subpart GG, a gauge shall be installed to indicate the static pressure, in inches w.g., across the exhaust filters. If the pressure drop across the exhaust filters falls outside the limit(s) specified by the filter manufacturer or in District approved locally prepared operating procedures, the unit shall be shut down until the filters have been changed, or other action is taken to return the pressure drop to within the allowable limit(s).

CDM A – Compliance shall be demonstrated with either a log containing the air filter pressure differential in accordance with the Aerospace NESHAP 40 CFR 63 Subpart GG. The compliance demonstration documentation, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

S. CONDITIONS APPLICABLE TO PAINT SPRAY BOOTH; AVAQMD PERMIT # S007822:

1. Spray booth shall not be operated unless all exhaust air passes through filter media which meets

the requirements of 40 CFR 63.745(g).

2. In accordance with the Aerospace NESHAP 40 CFR Subpart GG, a gauge shall be installed to indicate the static pressure, in inches w.g., across the exhaust filters. If the pressure drop across the exhaust filters falls outside the limit(s) specified by the filter manufacturer or in District approved locally prepared operating procedures, the unit shall be shut down until the filters have been changed, or other action is taken to return the pressure drop to within the allowable limit(s).

CDM A – Compliance shall be demonstrated with either a log containing the air filter pressure differential in accordance with the Aerospace NESHAP 40 CFR 63 Subpart GG. The compliance demonstration documentation, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

T. CONDITIONS APPLICABLE TO PAINT SPRAY BOOTH; AVAQMD PERMIT # S007837:

1. Spray booth shall not be operated unless all exhaust air passes through filter media which meets the requirements of 40 CFR 63.745(g).
2. In accordance with the Aerospace NESHAP 40 CFR Subpart GG, a gauge shall be installed to indicate the static pressure, in inches w.g., across the exhaust filters. If the pressure drop across the exhaust filters falls outside the limit(s) specified by the filter manufacturer or in District approved locally prepared operating procedures, the unit shall be shut down until the filters have been changed, or other action is taken to return the pressure drop to within the allowable limit(s).

CDM A – Compliance shall be demonstrated with either a log containing the air filter pressure differential in accordance with the Aerospace NESHAP 40 CFR 63 Subpart GG. The compliance demonstration documentation, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

U. CONDITIONS APPLICABLE TO PAINT SPRAY BOOTH; AVAQMD PERMIT # S008093:

1. Spray booth shall not be operated unless all exhaust air passes through filter media which meets the requirements of 40 CFR 63.745(g).
2. In accordance with the Aerospace NESHAP 40 CFR Subpart GG, a gauge shall be installed to indicate the static pressure, in inches w.g., across the exhaust filters. If the pressure drop across the exhaust filters falls outside the limit(s) specified by the filter manufacturer or in District approved locally prepared operating procedures, the unit shall be shut down until the filters have been changed, or other action is taken to return the pressure drop to within the allowable limit(s).

3. No more than 2.9 pounds per year of hexavalent chromium shall be used (sprayed as a component of coatings) within the booth. Compliance with this condition shall be verified through operational records.

CDM A – Compliance shall be demonstrated with either a log containing the air filter pressure differential in accordance with the Aerospace NESHAP 40 CFR 63 Subpart GG. The compliance demonstration documentation, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

CDM B – Compliance shall be demonstrated by keeping adequate records to verify daily usage and daily VOC emissions in accordance with Rule 109. The records, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

V. CONDITIONS APPLICABLE TO PAINT SPRAY BOOTH; AVAQMD PERMIT # S009013:

1. Spray booth shall not be operated unless all exhaust air passes through filter media which meets the requirements of 40 CFR 63.745(g).
2. In accordance with the Aerospace NESHAP 40 CFR Subpart GG, a gauge shall be installed to indicate the static pressure, in inches w.g., across the exhaust filters. If the pressure drop across the exhaust filters falls outside the limit(s) specified by the filter manufacturer or in District approved locally prepared operating procedures, the unit shall be shut down until the filters have been changed, or other action is taken to return the pressure drop to within the allowable limit(s).
3. The total quantity of VOCs emitted from surface coating operations (including hand surface preparation operations and equipment clean-up) at this booth shall not exceed 25 pounds in any day, from midnight to midnight.

CDM A – Compliance shall be demonstrated with either a log containing the air filter pressure differential in accordance with the Aerospace NESHAP 40 CFR 63 Subpart GG. The compliance demonstration documentation, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

CDM B – Compliance shall be demonstrated by keeping adequate records to verify daily usage and daily VOC emissions in accordance with Rule 109. The records, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

Q. CONDITIONS APPLICABLE TO PAINT SPRAY BOOTHS; AVAQMD PERMIT # TBD, TBD, TBD, TBD:

1. Spray booth shall not be operated unless all exhaust air passes through filter media which meets the requirements of 40 CFR 63.745(g).
2. In accordance with the Aerospace NESHAP 40 CFR Subpart GG, a gauge shall be installed to indicate the static pressure, in inches w.g., across the exhaust filters. If the pressure drop across the exhaust filters falls outside the limit(s) specified by the filter manufacturer or in District approved locally prepared operating procedures, the unit shall be shut down until the filters have been changed, or other action is taken to return the pressure drop to within the allowable limit(s).

CDM A – Compliance shall be demonstrated with either a log containing the air filter pressure differential in accordance with the Aerospace NESHAP 40 CFR 63 Subpart GG. The compliance demonstration documentation, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

W. CONDITIONS APPLICABLE TO JP-5/JP-8 LOADING/UNLOADING FACILITY; AVAQMD PERMIT # T006761, T006762, AND T006763:

1. Facility shall be used for loading/unloading jet fuel (including JP-5, JP-8, Jet A and Jet A-1).
2. The fueling of JP-5 and JP-8 shall not exceed 200,000 gallons total in any one day.

CDM A – Compliance shall be demonstrated with either a log containing the fueling records, or other equivalent method. The compliance demonstration documentation, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel. Compliance shall be demonstrated with either a log containing the fueling records, or other equivalent method. For the purposes of this condition, fueling shall be defined as fuel that is added to and retained in an aircraft for the intention of powering that aircraft. The compliance demonstration documentation, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

X. CONDITIONS APPLICABLE TO STORAGE TANKS; AVAQMD PERMIT # T006773, T006786, AND T006787:

1. Fueling records shall be kept and maintained for a five year period and be made available to District, State and Federal personnel upon request.

CDM A – Compliance shall be demonstrated with either a log containing the fueling records, or

other equivalent method. The compliance demonstration documentation, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

Y. CONDITIONS APPLICABLE TO STORAGE TANK; AVAQMD PERMIT # T006793:

1. Tank may be operated on an emergency and preventive maintenance use schedule only.

CDM A – Compliance shall be demonstrated with either a log containing the date and reason for use, or other equivalent method. The compliance demonstration documentation, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

Z. CONDITIONS APPLICABLE TO STORAGE TANK; AVAQMD PERMIT # T006794:

1. Tank shall store only jet fuel (including JP-5, JP-8, Jet A and Jet A-1).
2. Fueling records shall be kept and maintained for a five year period and be made available to District, State and Federal personnel upon request.

CDM A – Compliance shall be demonstrated with either a log containing the fueling records, or other equivalent method. The compliance demonstration documentation, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

AA. CONDITIONS APPLICABLE TO STORAGE TANK; AVAQMD PERMIT # T006772

1. This equipment shall only be used for diesel, 1010 oil, JP-5, JP-8, Jet A and Jet A-1.
2. Fueling records shall be kept and maintained for a five year period and be made available to District, State and Federal personnel upon request.

CDM A – Compliance shall be demonstrated with either a log containing the fueling records, or other equivalent method. The compliance demonstration documentation, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

AB. CONDITIONS APPLICABLE TO DIESEL IC ENGINE, PORTABLE GENERATOR, AVAQMD

PERMIT # B010679

1. This diesel ICE and its associated equipment cannot be operated at the same footprint (spot) for more than 365 consecutive days. (This system must be moved within this facility or moved to another facility annually.)
2. This unit shall only be fired on ultra-low sulfur diesel fuel, whose sulfur concentration is less than or equal to 0.0015% or 15 ppm on a weight per weight basis per CARB Diesel or equivalent requirements.
3. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
4. This engine shall not be operated for more than 16 hours in any calendar day and not more than 1000 hours in any calendar year.
5. The o/o must surrender to the District sufficient valid Emission Reduction Credits for this equipment and that with District permits B010699 and B010972 before the start of construction of any part of the project for which the equipment indicated is intended to be used. In accordance with Regulation XIII the operator shall surrender 2285 pounds of NOx.

CDM A – Compliance with conditions 1-4 shall be demonstrated with a log containing the date and duration (in hours) of each use, the location of each use, the reason for use, the cumulative annual hours of operation, the cumulative annual fuel consumption (in gallons) and the fuel sulfur concentration (owner/operate may use the supplier's certification of sulfur content).The log, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

District/State-Only Enforceable Section

6. The o/o of this unit must submit a Status Report for the entire fleet* by March 1, 2011. This Status Report should include, but not limited to, the following, for details see Title 17 CCR 93116.4(e)(1):
 - a. The fleet's weighted average PM emission rate for the 2010 calendar year,
 - b. Inventory of portable engines in the fleet,
 - c. Identify, if applicable, each portable diesel-fueled engine that the owner commits to replacing with a Tier 4 engine,
 - d. Listing of portable diesel-fueled engines, if applicable, used exclusively in emergency

applications,

- e. Listing of portable diesel-fueled engines, if applicable, satisfying the low-use engine requirements,
 - f. Listing of portable alternative-fueled engines, if applicable, added to the fleet prior to January 1, 2009, pursuant to section 93116.3(d)(2)(B)2, and
 - g. Listing of portable diesel-fueled engine(s) equipped with Selective Catalytic Reduction (SCR) system(s),
7. The o/o and/or Responsible Official of a fleet electing to use electrification in determining the fleet average shall submit the report required by Title 17 CCR 93116.4(c)(3) by January 1, 2012.

* Fleet is defined in Title 17 CCR Section 93116.2(p) as one or more portable unit(s).

- 8. The fleet under control of this o/o is subject to and shall comply with the weighted PM emission fleet averages expressed as grams per brake horsepower-hour (g/bhp-hr) by the listed compliance dates in Title 17 CCR Section 93116.3(c).

Fleet Standard Compliance;

| Date | Engines <175 bhp | Engines >175 to 749 bhp | Engines >750 bhp |
|----------|------------------|-------------------------|------------------|
| | (g/bhp-hr) | (g/bhp-hr) | (g/bhp-hr) |
| 1/1/2013 | 0.3 | 0.15 | 0.25 |
| 1/1/2017 | 0.18 | 0.08 | 0.08 |
| 1/1/2020 | 0.04 | 0.02 | 0.02 |

Fleet is defined in Title 17 CCR Section 93116.2(16).

- 9. The o/o of this unit must submit a 'Statement of Compliance' signed by the Responsible Official that the fleet standards are being achieved and a summary that identifies each portable engine in the fleet and the associated emission rate (g/bhp-hr) and other required information, see Title 17 CCR 93116.4(e)(2), (3), (4), (5), (6) and (7) for the following compliance statement submittal dates:

| Weighted DPM Emission Fleet Average Date | Submit by |
|--|---------------|
| January 1, 2013 | March 1, 2013 |
| January 1, 2017 | March 1, 2017 |

January 1, 2020

March 1, 2020

10. This unit is subject to the requirements of the Airborne Toxic Control Measure For Diesel Particulate Matter From Portable Engines Rated At 50 Horsepower and Greater (Title 17 CCR 93116). In the event of conflict between these conditions and the ATCM, the more stringent requirements of the ATCM shall govern.

AC. CONDITIONS APPLICABLE TO TURBINE, PORTABLE START CART, AVAQMD PERMIT # B010699

1. This turbine engine and its associated equipment cannot be operated at the same footprint (spot) for more than 365 consecutive days. (This system must be moved within this facility or moved to another facility annually.)
2. This engine shall not be operated for more than 6 hours in any calendar day and not more than 100 hours in any calendar year.
3. This unit shall only be fired on ultra-low sulfur diesel fuel, whose sulfur concentration is less than or equal to 0.0015% or 15 ppm on a weight per weight basis per CARB Diesel or equivalent requirements or Aircraft Jet Fuel (including JP-5, JP-8, Jet A and Jet A-1).
4. The o/o must surrender to the District sufficient valid Emission Reduction Credits for this equipment and that with District permits B010679 and B010972 before the start of construction of any part of the project for which the equipment indicated is intended to be used. In accordance with Regulation XIII the operator shall surrender 2285 pounds of NOx.

CDM A – Compliance with conditions 1-3 shall be demonstrated with a log containing the date and duration (in minutes) of each use, the location of each use, the reason for use, the cumulative annual hours of operation, the cumulative annual fuel consumption (in gallons) and the fuel sulfur concentration (owner/operate may use the supplier's certification of sulfur content). The log, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

AD. CONDITIONS APPLICABLE TO CURING OVEN, PAINT, AVAQMD PERMIT # B010973

1. The maximum operating temperature shall not exceed 175 degree Fahrenheit. Oven temperature can be recorded using either a circular chart recorder or paper log.

CDM A – The oven must be inspected periodically to ensure it is maintained in good operating condition. Inspection records can be either a paper log or computerized Plant Engineering

Preventive Maintenance (e.g. Maximo) record. Records either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel.

AE. CONDITIONS APPLICABLE TO TURBINE, PORTABLE START CART, AVAQMD PERMIT # B010972

1. This turbine engine and its associated equipment cannot be operated at the same footprint (spot) for more than 365 consecutive days. (This system must be moved within this facility or moved to another facility annually.)
2. This engine shall not be operated for more than 6 hours in any calendar day and not more than 100 hours in any calendar year.
3. This unit shall only be fired on ultra-low sulfur diesel fuel, whose sulfur concentration is less than or equal to 0.0015% or 15 ppm on a weight per weight basis per CARB Diesel or equivalent requirements or Aircraft Jet Fuel (including JP-5, JP-8, Jet A and Jet A-1).
4. The o/o must surrender to the District sufficient valid Emission Reduction Credits for this equipment and that with District permits B010679 and B010699 before the start of construction of any part of the project for which the equipment indicated is intended to be used. In accordance with Regulation XIII the operator shall surrender 2285 pounds of NOx.

CDM A – Compliance with conditions 1-3 shall be demonstrated with a log containing the date and duration (in minutes) of each use, the location of each use, the reason for use, the cumulative annual hours of operation, the cumulative annual fuel consumption (in gallons) and the fuel sulfur concentration (owner/operate may use the supplier's certification of sulfur content). The log, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

AF. CONDITIONS APPLICABLE TO SPRAY BOOTH, AVAQMD PERMIT # TBD

AG. CONDITIONS APPLICABLE TO SPRAY BOOTH, AVAQMD PERMIT # TBD

AH. CONDITIONS APPLICABLE TO SPRAY BOOTH, AVAQMD PERMIT # TBD

AI. CONDITIONS APPLICABLE TO SPRAY BOOTH, AVAQMD PERMIT # TBD

AJ. CONDITIONS APPLICABLE TO AIR POLLUTION CONTROL EQUIPMENT (VARIOUS LOCATIONS), AVAQMD PERMIT #'S C011099, C011105, C011106, and C011107

1. The total quantity of VOCs emitted from surface coating operations (including hand surface

preparation operations and equipment clean-up) from this spray gun shall not exceed 25 lbs in any day, from midnight to midnight.

2. Use of this equipment in the application of topcoats or primers containing inorganic HAPs shall comply with all applicable provisions of 40 CFR Part 63, Subpart GG.
3. Owner/operator shall maintain adequate records to verify daily usage and daily VOC emissions in accordance with Rule 109. The records, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.
4. The o/o shall not use this equipment to spray apply coatings which contain compounds of chromium (Cr) or cadmium (Cd).
5. The owner/operator shall perform clean-up operations for this equipment in accordance with District Rule 1124 and 40 CFR Part 63, Subpart GG.
6. The HVLP spray gun with a Sharp Shooter shall only be used for touch-up operations to spray topcoats and primers on assemblies and aircraft.
7. The maximum solids content of the topcoat or primer shall not exceed 40% by weight.
8. For touch-up coating operations that satisfy condition numbers 7 and 8 above, a transfer efficiency of 95% may be used for calculating particulate emissions, including particulate emissions of toxic compounds.

AJa. CONDITIONS APPLICABLE TO AIR POLLUTION CONTROL EQUIPMENT (VARIOUS LOCATIONS), AVAQMD PERMIT #'S C011108

1. The total quantity of VOCs emitted from surface coating operations (including hand surface preparation operations and equipment clean-up) from this spray gun shall not exceed 25 lbs in any day, from midnight to midnight.
2. Use of this equipment in the application of topcoats or primers containing inorganic HAPs shall comply with all applicable provisions of 40 CFR Part 63, Subpart GG.
3. Owner/operator shall maintain adequate records to verify daily usage and daily VOC emissions in accordance with Rule 109. The records, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.
4. The o/o shall not use this equipment to spray apply coatings which contain compounds of chromium (Cr) or cadmium (Cd).

5. The owner/operator shall perform clean-up operations for this equipment in accordance with District Rule 1124 and 40 CFR Part 63, Subpart GG.
6. The HVLP spray gun with a Sharp Shooter shall only be used for touch-up operations to spray topcoats and primers on assemblies and aircraft.
7. The maximum solids content of the topcoat or primer shall not exceed 40% by weight.
8. For touch-up coating operations that satisfy condition numbers 6 and 7 above, a transfer efficiency of 95% may be used for calculating particulate emissions, including particulate emissions of toxic compounds.

AK. CONDITIONS APPLICABLE TO TURBINE, PORTABLE START CART, AVAQMD PERMIT #TBD

AL. CONDITIONS APPLICABLE TO BOILER 1, HOT WATER HEATER (BLDG 410), AVAQMD PERMIT # B011296:

1. This unit shall be fired on pipeline quality natural gas, with propane fuel as a back-up. This unit may be fired on propane fuel for testing or during curtailment of natural gas supply only.
2. Fuel consumption by this equipment shall not exceed 90 million standard cubic feet (92,160 million Btu heat input) per calendar year.
3. Owner/operator shall keep calendar year records of fuel consumption. These records, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.
4. Records, either paper or computerized, of all compliance tests, adjustments, tune-ups, and calibrations as required below shall be kept on-site and available for review upon request by District, State or Federal personnel.
5. Emissions from this equipment shall not exceed the following hourly emission limits, verified by compliance tests:
 - a. NO_x as NO₂: 0.17 lb/hr operating at 100% load, fired on Natural Gas (based on 9.0 ppmvd corrected to 3% oxygen and averaged over a period of 15 minutes)
 - b. CO: 0.58 lb/hr operating at 100% load, fired on Natural Gas (based on 50 ppmvd corrected to 3% oxygen and averaged over a period of 15 minutes)
6. The o/o shall perform a compliance test on this equipment to demonstrate initial compliance with

the limits of condition 5 above in accordance with the AVAQMD Compliance Test Procedural Manual. The test report shall be submitted to the District within 180 days of initial start up:

- a. NO_x as NO₂ in ppmvd at 3% oxygen and lb/hr (measured per USEPA Reference Methods 7 or equivalent); and
 - b. CO in ppmvd at 3% oxygen and lb/hr (measured per USEPA Reference Method 10 or equivalent).
7. This equipment shall be tested to determine compliance with the above limits through emission compliance testing, in accordance with the AVAQMD Compliance Test Procedural Manual, not less than once every twelve (12) months.[Rule 1303 and 40CFR 63 Subpart DDDDD].
 8. This equipment shall comply with all the applicable requirements of this facility's current Federal Operating Permit including Part II - Facilitywide Applicable Requirements.
 9. The o/o must surrender to the District sufficient valid Emission Reduction Credits for this equipment and that with District permit B011297, prior to the start of construction of any part of the project for which this equipment is intended to be used. In accordance with Regulation XIII the operator shall surrender 1023 pounds total of NO_x.

AM. CONDITIONS APPLICABLE TO BOILER 2, HOT WATER HEATER (BLDG 410), AVAQMD PERMIT # B011297:

1. This unit shall be fired on pipeline quality natural gas, with propane fuel as a back-up. This unit may be fired on propane fuel for testing or during curtailment of natural gas supply only.
2. Fuel consumption by this equipment shall not exceed 45 million standard cubic feet (46,080 million Btu heat input) per calendar year.
3. Owner/operator shall keep calendar year records of fuel consumption. These records, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.
4. Records, either paper or computerized, of all compliance tests, adjustments, tune-ups, and calibrations as required below shall be kept on-site and available for review upon request by District, State or Federal personnel.
5. Emissions from this equipment shall not exceed the following hourly emission limits, verified by compliance tests:
 - a. NO_x as NO₂: 0.09 lb/hr operating at 100% load, fired on Natural Gas (based on 9.0 ppmvd corrected to 3% oxygen and averaged over a period of 15 minutes)
 - b. CO: 0.29 lb/hr operating at 100% load, fired on Natural Gas (based on 50 ppmvd corrected to 3% oxygen and averaged over a period of 15 minutes)

6. The o/o shall perform a compliance test on this equipment to demonstrate initial compliance with the limits of condition 5 above in accordance with the AVAQMD Compliance Test Procedural Manual. The test report shall be submitted to the District within 180 days of initial start up:
 - a. NO_x as NO₂ in ppmvd at 3% oxygen and lb/hr (measured per USEPA Reference Methods 7 or equivalent); and
 - b. CO in ppmvd at 3% oxygen and lb/hr (measured per USEPA Reference Method 10 or equivalent).
7. This equipment shall comply with all the applicable requirements of this facility's current Federal Operating Permit including Part II - Facilitywide Applicable Requirements.
8. The o/o must surrender to the District sufficient valid Emission Reduction Credits for this equipment and that with permit B011296, prior to the start of construction of any part of the project for which this equipment is intended to be used. In accordance with Regulation XIII the operator shall surrender 1023 pounds total of NO_x.

PART IV STANDARD CONDITIONS

A. STANDARD FEDERAL OPERATING PERMIT CONDITIONS

1. If any portion of this Federal Operating Permit is found to be invalid by the final decision of a court of competent jurisdiction the remaining portion(s) of this Federal Operating Permit shall not be affected thereby.

[40 CFR 70.6(a)(5); Rule 3003(D)(1)(f)(i)]

2. The Owner/Operator shall comply with all condition(s) contained herein. Noncompliance with any condition(s) contained herein constitutes a violation of the Federal Clean Air Act and of AVAQMD Regulation XXX and is grounds for enforcement action; termination, revocation and re-issuance, or modification of this Federal Operating Permit; and/or grounds for denial of a renewal of this Federal Operating Permit.

[40 CFR 70.6(a)(6)(i); Rule 3003(D)(1)(f)(ii)]

3. It shall not be a defense in an enforcement action brought for violation(s) of condition(s) contained in this Federal Operating Permit that it would have been necessary to halt or reduce activity to maintain compliance with those condition(s).

[40 CFR 70.6(a)(6)(ii); Rule 3003(D)(1)(f)(iii)]

4. This Federal Operating Permit may be modified, revoked, reopened or terminated for cause.

[40 CFR 70.6(a)(6)(iii); Rule 3003(D)(1)(f)(iv)]

5. The filing of an application for modification; a request for revocation and re-issuance; a request for termination; notifications of planned changes; or anticipated noncompliance with condition(s) does not stay the operation of any condition contained in this Federal Operating Permit.

[40 CFR 70.6(a)(6)(iii); Rule 3003(D)(1)(f)(v)]

6. The issuance of this Federal Operating Permit does not convey any property rights of any sort nor does it convey any exclusive privilege.

[40 CFR 70.6(a)(6)(iv); Rule 3003(D)(1)(f)(vi)]

7. The Owner/Operator shall furnish to the AVAQMD, within a reasonable time as specified by the AVAQMD, any information that the AVAQMD may request in writing.

[40 CFR 70.6(a)(6)(v); Rule 3003(D)(1)(f)(vii)]

8. The Owner/Operator shall furnish to District, State or Federal personnel, upon request, copies of any records required to be kept pursuant to condition(s) of this Federal Operating Permit.

[40 CFR 70.6(a)(6)(v); Rule 3003(D)(1)(f)(viii)]

9. Any records required to be generated and/or kept by any portion of this Federal Operating Permit shall be retained by the facility Owner/Operator for at least five (5) years from the date the records were created.

[40 CFR 70.6(a)(3)(ii)(B); Rule 3003(D)(1)(d)(ii)]

10. The Owner/Operator shall pay all applicable fees as specified in AVAQMD Regulation III, including those fees related to permits as set forth in Rules 301 and 312.

[40 CFR 70.6(a)(7); Rule 3003(D)(1)(f)(ix)]

11. The Owner/Operator shall not be required to revise this permit for approved economic incentives, marketable permits, emissions trading or other similar programs provided for in this permit.

[40 CFR 70.6(a)(8); Rule 3003(D)(1)(f)(x)]

12. Compliance with condition(s) contained in this Federal Operating Permit shall be deemed compliance with the Applicable Requirement underlying such condition(s).

[40 CFR 70.6(f)(1); Rule 3003(G)(1)]

13. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit the emergency powers of USEPA as set forth in 42 U.S.C. §7603.

[40 CFR 70.6(f)(3)(i); Rule 3003(G)(3)(a)]

14. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit liability for violations which occurred prior to the issuance of this Federal Operating Permit.

[40 CFR 70.6(f)(3)(ii); Rule 3003(G)(3)(b)]

15. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to alter any Applicable Requirement Contained in the Acid Rain Program.

[40 CFR 70.6(f)(3)(iii); Rule 3003(G)(3)(c)]

16. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to

limit the ability of USEPA or the AVAQMD to obtain information pursuant to other provisions of law including but not limited to 42 U.S.C. §7414.

[40 CFR 70.6(f)(3)(iv); Rule 3003(G)(3)(d)]

17. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to apply to emissions trading pursuant to provisions contained in an applicable State Implementation Plan.

[40 CFR 70.4(b)(12)(ii)(B); Rule 3003(G)(3)(e)]

18. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to apply to changes made which are not expressly allowed by this Federal Operating Permit.

[40 CFR 70.4(b)(14)(iii); Rule 3003(G)(3)(f)]

19. The Permit Shield set forth in Part IV, condition 12, shall not be construed to apply to changes made pursuant to the Significant Permit Modification provisions until such changes are included in this Federal Operating Permit.

[40 CFR 70.5(a)(1)(ii), 70.7(e)(2)(vi); Rule 3003 (G)(3)(g)]

20. If the Owner/Operator performs maintenance on, or services, repairs, or disposes of appliances, the Owner/Operator shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. These requirements are Federally Enforceable through this Title V Permit.

[40 CFR Part 82, Subpart F]

21. If the Owner/Operator performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the Owner/Operator shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. These requirements are Federally Enforceable through this Title V Permit.

[40 CFR Part 82, Subpart B]

22. Notwithstanding the testing requirements contained elsewhere in this Title V Permit, any credible evidence may be used to establish violations, including but not limited to; reference test methods, engineering calculations, indirect estimates of emissions, CEMS data, and parametric monitoring data. Data need not be required to be collected in a Title V permit in order to be considered credible.

[Section 113(a) of the Clean Air Act]

AVAQMD Federal Operating Permit
Northrop-Grumman Systems Corp- 3520 E Avenue M, Palmdale CA
Permit Number: 102301816

B. ADMINISTRATIVE CONDITIONS

1. Any data and records required to be generated and/or kept by any portion of this permit shall be kept current and on site for a minimum of five (5) years from the date generated pursuant to Title V Program requirements and shall be provided to District, State, or Federal personnel upon request.

[40 CFR 70.6(a)(3)(ii)(B); Rule 3003(D)(1)(d)(ii) & (D)(1)(f)(viii)]

2. Per mutual agreement between facility Owner/Operator and the AVAQMD, all compliance reports required by any applicable federal standard listed in this permit shall be submitted congruently with the Monitoring of Deviation report within 30 days of the midpoint of the anniversary of the date of the issuance or renewal of the Federal Operating Permit.

[40 CFR 63.9 (i)(1)(ii)(2) and 63.10 (6)]

3. Any Compliance/Performance testing required by this Federal Operating Permit shall follow the administrative procedures contained in the District's Compliance Test Procedural Manual. Any required annual Compliance and/or Performance Testing shall be accomplished by obtaining advance written approval from the District pursuant to the District's Compliance Test Procedural Manual. All emission determinations shall be made as stipulated in the Written Test Protocol accepted by the District. When proposed testing involves the same procedures followed in prior District approved testing, then the previously approved Written Test Protocol may be used with District concurrence.

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for Periodic Monitoring Requirements; see Part II and Part III conditions)

4. Owner/Operator shall promptly report all deviations from federal operating permit requirements including, but not limited to; any emissions in excess of permit conditions, and any other deviations from permit conditions. Such reports shall include the probable cause of the deviation and any corrective action or preventative measures taken as a result of the deviation.

[Rule 3003(D)(1)(e)(ii)]

Prompt reporting shall be determined as follows:

- (a) For deviations involving excess emissions of air contaminants, but not including those caused by a breakdown and reported pursuant to Rule 430 {Part IV Condition 13}, prompt reporting shall be within ten days of the occurrence of the excess emission or within ten days of the time a person knew or reasonably should have known of the excess emission. Documentation and other relevant evidence regarding the excess emission shall be submitted to the District within sixty (60) days of the date the excess emission was reported to the District.

- (b) For other deviations from permit conditions not involving excess emissions of air contaminants shall be submitted to the District with any required monitoring reports at least every six (6) months. [Rule 3003(D)(1)(e)(i)]
5. The Owner/Operator shall allow an authorized representative of the AVAQMD to enter upon the permit holder's premises at reasonable times, with or without notice.
[40 CFR 70.6(c)(2)(i); Rule 3003(D)(1)(g)(i)]
6. The Owner/Operator shall allow an authorized representative of the AVAQMD to have access to and copy any records that must be kept under condition(s) of this Federal Operating Permit.
[40 CFR 70.6(c)(2)(ii); Rule 3003(D)(1)(g)(ii)]
7. The Owner/Operator shall allow an authorized representative of the AVAQMD to inspect any equipment, practice or operation contained in or required under this Federal Operating Permit.
[40 CFR 70.6(c)(2)(iii); Rule 3003(D)(1)(g)(iii)]
8. The Owner/Operator shall allow an authorized representative of the AVAQMD to sample and/or otherwise monitor substances or parameters for the purpose of assuring compliance with this Federal Operating Permit or with any Applicable Requirement.
[40 CFR 70.6(c)(2)(iv); Rule 3003(D)(1)(g)(iv)]
9. If the Owner/Operator is operating pursuant to a Schedule of Compliance contained herein then the Owner/Operator shall submit a Progress Report regarding that Schedule of Compliance on a semiannual [6 month] basis unless a shorter time is set forth in the Schedule of Compliance itself.
[40 CFR 70.6(c)(5)(i); Rule 3003(D)(1)(g)(vi)]
10. Owner/Operator shall remain in compliance with all Applicable Requirements / federally enforceable requirements by complying with all compliance, monitoring, record-keeping, reporting, testing, and other operational conditions contained in this Federal Operating Permit. Any noncompliance constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; the termination, revocation and re-issuance, or modification of this Federal Operating Permit; and/or grounds for denial of a renewal application.
[Rule 3003 (D)(1)(f)(ii)]
11. Owner/Operator shall comply in a timely manner with all applicable requirements / federally - enforceable requirements that become effective during the term of this permit.

[Rule 3001 (I)(2)]
[Rule 3003 (F)(1)]

12. If any equipment is determined to not be in compliance with any federally-enforceable requirement during the 5 year permit term, the Owner/Operator shall obtain a Schedule of Compliance approved by the District Hearing Board pursuant to the requirements of AVAQMD Regulation 5 (Rules 501 - 518). In addition, the Owner/Operator shall submit a Progress Report on the implementation of the Schedule of Compliance. The Schedule of Compliance shall contain the information outlined in (b), below. The Progress Report shall contain the information outlined in (c), below. The Schedule of Compliance shall become a part of this Federal Operating Permit by administrative incorporation. The Progress Report and Schedule of Compliance shall comply with Rule 3001(I)(3) and shall include:
- (a) A narrative description of how the facility will achieve compliance with such requirements; and
 - (b) A *Schedule of Compliance* which contains a list of remedial measures to be taken for the facility to come into compliance with such requirements, an enforceable sequence of actions, with milestones, leading to compliance with such requirements and provisions for the submission of *Progress Reports* at least every six (6) months. The *Schedule of Compliance* shall include any judicial order, administrative order, and/or increments of progress or any other schedule as issued by any appropriate judicial or administrative body or by the District Hearing Board pursuant to the provisions of Health & Safety Code §42350 et seq.; and
 - (c) *Progress Reports* submitted under the provisions of a *Schedule of Compliance* shall include: Dates for achieving the activities, milestone, or compliance required in the schedule of compliance; and dates when such activities, milestones or compliance were achieved; and an explanation of why any dates in the schedule of compliance were not or will not be met; and any preventive or corrective measures adopted due to the failure to meet dates in the schedule of compliance.

[Rule 3001 (I)(3)]

[SIP **Pending**: Rule 430 - *Breakdown Provisions*, SIP Submitted as amended 3/17/98, Current Rule Version = 03/17/98]

13. On a semi-annual basis, of any given year, Owner/Operator shall submit a *Monitoring of Deviation Report*, within 30 days of the midpoint of the anniversary of the date of the issuance or renewal of the Federal Operating Permit, to the APCO/District pursuant to District Rule 3003. This Monitoring Report shall be certified to be true, accurate, and complete by a responsible official, and may include the following information and/or data:
- (a) Summary of deviations from any federally-enforceable requirement in this permit.

- (b) Summary of all emissions monitoring and analysis methods required by any Applicable Requirement / federally - enforceable requirement.
- (c) Summary of all periodic monitoring, testing or record keeping (including test methods sufficient to yield reliable data) to determine compliance with any Applicable Requirement / federally - enforceable requirement that does not directly require such monitoring.
- (d) Summary of necessary requirements concerning use and maintenance of equipment including the installation and maintenance of monitoring equipment.

[Rule 3003 (D)(1)(e)(i); and 3003 (D)(1)(c)(i - iii)]

14. On an *annual* basis, of any given year, Owner/Operator shall submit an *Annual Compliance Certification Report*, within 30 days of the anniversary of the date of the issuance or renewal of the Federal Operating Permit, to the APCO/District pursuant to District Rule 3003. This report shall identify each Applicable Requirement / federally-enforceable requirement in this permit, the compliance status of each subject process unit, whether the compliance was continuous or intermittent since the last certification, and the method(s) used to determine or monitor compliance. Each report shall be certified to be true, accurate, and complete by a responsible official and a copy of this annual report shall also be contemporaneously submitted to the EPA Region IX Administrator.

[Rule 3003 (D)(1)(g)(vii - x:)]

15. Owner/Operator shall comply with any additional certification requirements as specified in 42 U.S.C §7414(a)(3), Recordkeeping, Inspections, Monitoring and Entry (Federal Clean Air Act §114(a)(3)) and 42 U.S.C. §7661c(b), Permit Requirements and Conditions (Federal Clean Air Act §503(b)), or in regulations promulgated thereunder.

[Rule 3003 (D)(1)(g)(x)]

C. PERMIT TO OPERATE ADMINISTRATIVE CONDITIONS

1. A permit is required to operate this facility.

[Rule 203 - *Permit to Operate*; Submitted as amended 8/19/97 on 3/10/98; Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(39)(iii)(B); Approved 11/9/78, 40 CFR 52.220(c)(31)(vi)(C); Current Rule Version = 08/19/97]

2. The equipment shall not be operated contrary to the conditions specified in the permit to operate.

[Rule 203 - *Permit to Operate*; Submitted as amended 8/19/97 on 3/10/98; Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(39)(iii)(B); Approved 11/9/78, 40 CFR 52.220(c)(31)(vi)(C); Current Rule Version = 08/19/97]

3. The Air Pollution Control Officer may impose written conditions on any permit.

[Rule 204 - *Permit Conditions*; [SIP: Submitted as amended 8/19/97 on 3/10/98; Submitted as amended 10/8/93 on 2/28/94; Submitted as amended 3/6/92 on 6/17/92; Submitted as amended 1/4/85 on 11/12/85; Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(39)(iii)(B); Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(31)(vi)(C); Current Rule Version = 08/19/97]

4. Commencing work or operation under a permit shall be deemed acceptance of all the conditions so specified.

[Rule 204 - *Permit Conditions*; [SIP: Submitted as amended 8/19/97 on 3/10/98; Submitted as amended 10/8/93 on 2/28/94; Submitted as amended 3/6/92 on 6/17/92; Submitted as amended 1/4/85 on 11/12/85; Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(39)(iii)(B); Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(31)(vi)(C); Current Rule Version = 08/19/97]

5. Posting of the permit to operate is required on or near the equipment or as otherwise approved by the APCO/District.

[Rule 206 - *Posting of Permit to Operate*; [SIP: Submitted as amended 8/19/97 on 3/10/98; Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(39)(iii)(B); Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(31)(vi)(C); Submitted as amended on 8/19/97]

6. A person shall not willfully deface, alter, forge, or falsify any permit issued under District rules.

[Rule 207 - *Altering or Falsifying Of Permit*; SIP: Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(39)(iii)(B) and 40 CFR 52.220(c)(31)(vi)(C); Current Rule Version = 01/09/76]

7. A permit shall not be transferable, whether by operation of law or otherwise, either from one location to another, from one piece of equipment to another, or from one person to another.

[Rule 209 - *Transfer And Voiding Of Permits*; SIP: Submitted as amended 1/5/90 on 12/31/90; Submitted as amended 11/1/85 on 6/4/86; Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(39)(iii)(B) and 40 CFR 52.220(c)(31)(vi)(C)]; Current Rule Version = 01/05/90]

8. The Air Pollution Control Officer may require the applicant or permittee to provide and maintain such facilities as are necessary for sampling and testing.

[Rule 217 - *Provision for Sampling and Testing Facilities*; SIP: Submitted as amended 8/19/97 on 3/10/98; Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(39)(iii)(B); Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(31)(vi)(C); Current Rule Version = 08/19/97]

9. The equipment at this facility shall not require a District permit or be listed on the Title V permit if such equipment is listed in Rule 219 and meets the applicable criteria contained in Rule 219 (B). However, any exempted insignificant activities/equipment are still subject to all applicable facility-wide requirements.

[Rule 219 - *Equipment Not Requiring a Written Permit*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(103)(xviii)(A), 40 CFR 52.220(c)(39)iv)(B), and 40 CFR 52.220(c)(31)(vi)(C)-01/09/78 43 FR 52237; Current Rule Version = 11/15/05]

10. The Owner/Operator of this facility shall obtain a Federal Operating Permit for operation of this facility.

[**SIP Pending:** Rule 225 - *Federal Operating Permit Requirement*; SIP: Submitted as adopted 3/17/98 on 2/16/99, Rule Adopted: 03/17/98]

11. Owner/Operator shall pay all applicable AVAQMD permit fees.

[Rule 301 - *Permit Fees*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(137)(vii)(B)- 10/19/84 49 FR 41028; Current Rule Version = 11/15/05]

12. Owner/Operator shall pay all applicable AVAQMD Title V Permit fees.

[Rule 312 - *Supplemental Fees for Federal Operating Permits*; Not SIP; Submitted as part of Title V Program amendment on TBD; Current Rule Version = 05/19/98]

13. The APCO in his/her discretion, may refrain from enforcement action against an owner/operator of any equipment which has violated a technology-based emission limitation, including but not limited to conditions contained in any permit issued by the District establishing such emission limitation, provided that a Breakdown has occurred and:

- (a) Any Breakdown which results in emissions exceeding a technology-based emission limitation is reported to the District within one hour of such Breakdown or within one hour of the time a person knew or reasonably should have known of the occurrence of

such Breakdown; and

- (b) An estimate of the repair time is provided to the District as soon as possible after the report of the Breakdown; and
- (c) All reasonable steps are immediately taken to minimize the levels of emissions and to correct the condition leading to the excess emissions.
- (d) The equipment is operated only until the end of a cycle or twenty-four (24) hours, whichever is sooner, at which time it shall be shut down for repairs unless a petition for an emergency variance has been filed with the Clerk of the Hearing Board in accordance with Regulation V.
- (e) If the Breakdown occurs outside normal District working hours the intent to file an emergency variance shall be transmitted to the District in a form and manner prescribed by the Air Pollution Control Officer.

[SIP Pending: Rule 430 - *Breakdown Provisions*, SIP Submitted as amended 3/17/98, Current Rule Version = 03/17/98]

14. Owner/Operator shall not burn or allow the burning of combustible materials in an open outdoor fire within the District without first obtaining a written permit, as required by District Rule 208, for such burning from the Executive Officer and, when required, from the local fire protection agency.

[Rule 444 – Open Fires, Version in SIP Submitted as amended 10/2/87 on 3/23/88; Approved 7/6/82, 47 FR 29231, 40 CFR 52.220(c)(104)(ii)(A); Current Rule Version = 10/02/87]

PART V OPERATIONAL FLEXIBILITY

ALTERNATIVE OPERATING SCENARIO(S):

No additional Operational Flexibility provisions allowed without appropriate permit modifications.

PART VI CONVENTIONS, ABBREVIATIONS, DEFINITIONS

THE FOLLOWING REFERENCING CONVENTIONS ARE USED IN THIS FEDERAL OPERATING PERMIT:

- 40CFR60, Standards of Performance for New Stationary Sources (NSPS)
- 40CFR60, Appendix F, Quality Assurance Procedures
- 40CFR61, National Emission Standards for Hazardous Air Pollutants (NESHAPS)
- 40CFR61, Subpart M, National Emission Standards for Asbestos
- 40CFR63, National Emission Standards for Hazardous Air Pollutants (NESHAPS)
- 40CFR63, Subpart GG, Aerospace Manufacturing and Rework Facilities
- 40CFR63, Subpart WWWW, Reinforced Plastics Composite Production
- 40CFR63, Subpart DDDDD, Industrial, Commercial, Institutional Boilers and Process Heaters
- 40CFR63, Subpart ZZZZ, Stationary Reciprocating Internal Combustion Engines

OTHER CONVENTIONS:

1. Unless otherwise noted, a “day” shall be considered a 24 hour period from midnight to midnight (i.e., calendar day).
2. The process unit identifications represent the District permit number designations. These numbers are not sequential. The use of District permit numbers provides continuity between the District and Federal Operating Permit systems.

AVAQMD RULE SIP HISTORY FOR RULE SIP HISTORY INCLUDING APPROVAL, PENDING APPROVAL, ETC. SEE:

<http://www.avaqmd.ca.gov/Modules/ShowDocument.aspx?documentid=921>

ABBREVIATIONS USED IN THIS PERMIT ARE AS FOLLOWS:

| | |
|--------------|---|
| APCO | Air Pollution Control Officer |
| ATCM | Airborne Toxic Control Measure |
| AVAQMD | Antelope Valley Air Quality Management District |
| Bhp | brake horse power |
| Btu | British thermal units |

| | |
|----------------|---|
| CARB | California Air Resources Board |
| CCR | California Code of Regulations |
| CEMS | continuous emissions monitoring system |
| CDM | compliance demonstration method |
| CO | carbon monoxide |
| CFR | Code of Federal Regulations |
| District | Antelope Valley Air Quality Management District |
| FR | Federal Register |
| HAP | hazardous air pollutant |
| HVLP | high volume low pressure |
| ICE | internal combustion engine |
| lb | pounds |
| lb / hr | pounds per hour |
| LPG | liquefied petroleum gas |
| NOx | oxides of nitrogen |
| NO2 | nitrogen dioxide |
| PAPCE | portable air pollution control equipment |
| PEMS | predictive emission monitoring system |
| ppbv | parts per billion by volume |
| ppmv | parts per million by volume |
| PTO | permit to operate |
| SIC | Standard Industrial Classification |
| SIP | State of California Implementation Plan |
| VEE | visible emissions evaluation |
| VOC | volatile organic compound |

DEFINITIONS:

For the purposes of AVAQMD rules and their use in this Federal Operating Permit, the definitions contained in the specified AVAQMD rule shall apply.

APPENDIX A APPLICABLE RULES

THIS FACILITY IS SUBJECT TO THE FOLLOWING RULES AND REGULATIONS:

Rule 109- *Recordkeeping For Volatile Organic Compound Emissions*

Rule 442 - *Usage of Solvents*

Rule 1107 - *Coating Of Metal Parts And Products*

Rule 1113 - *Architectural Coatings*

Rule 1124 - *Aerospace Assembly And Component Manufacturing Operations*

Rule 1136 - *Wood Products Coatings*

Rule 1140 – *Abrasive Blasting*

Rule 1145 – *Plastic, Rubber and Glass Coatings*

Rule 1162 – *Polyester Resin Operations*

Rule 1168 – *Adhesive Applications*

Rule 1171- *Solvent Cleaning*

National Emission Standards for Hazardous Air Pollutants

40 CFR 63, Subpart A, *General Provisions*

40 CFR 63, Subpart GG, *Aerospace Manufacturing and Rework Facilities*

40 CFR 63, Subpart WWWW, *Reinforced Plastics Composite Production*

40 CFR 63, Subpart DDDDD, *Industrial, Commercial, Institutional Boilers and Process Heaters.*

40 CFR 63, Subpart ZZZZ, *Stationary Reciprocating Internal Combustion Engines*